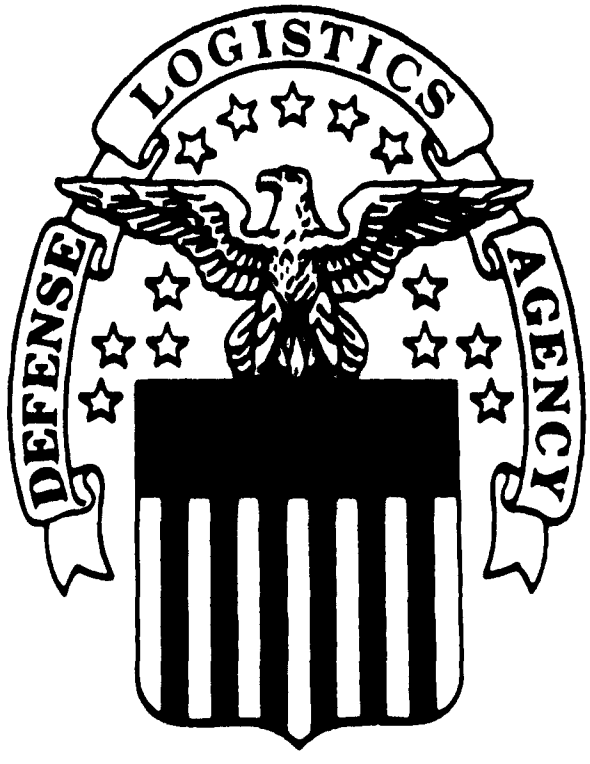
(3)

DLA INFORMATION SYSTEMS PERFORMANCE REPORT

OCTOBER - DECEMBER 1989



DEFENSE LOGISTICS AGENCY
ALEXANDRIA, VA. 22304-6100

FROM: DLA-ZO 05 January 1990

SUBJECT: DLA Information Systems Performance Report (DISPR)

The DISPR provides management-level statistics required to support the DLA Information Systems Capacity Management program. With the reorganization of DLA-Z responsibility for the Capacity Management program is in the Operations Division, DLA-ZO. Data is currently collected only for DLA IBM-architectured sites but will eventually include other DLA non IBM-architectured sites.

The Summary Statistics Charts in the Executive Summary may be used to identify potential problem areas or major workload differences between similar activities. An effective performance management and capacity planning program requires a continued awareness on the part of all concerned OTIS personnel to potential problems.

he standard quarterly utilization charts, trend charts and workload stratification charts for the period ending 31 December 1989 are included in this edition of the DISPR. A critical eye is being used on the system availability and downtime data reported from the Capacity Decision Support System software.

DSAC, Columbus has responsibility for publication of the DISPR and development of certain capacity management information on each DPI's performance. Readers should send comments and/or corrections on this publication to DSAC-TM via letter or message. The DSAC point of contact is Ms. Mary Eskridge, AUTOVON 850-9430.

JOHN E. ROBY
Chief
Operations Divison

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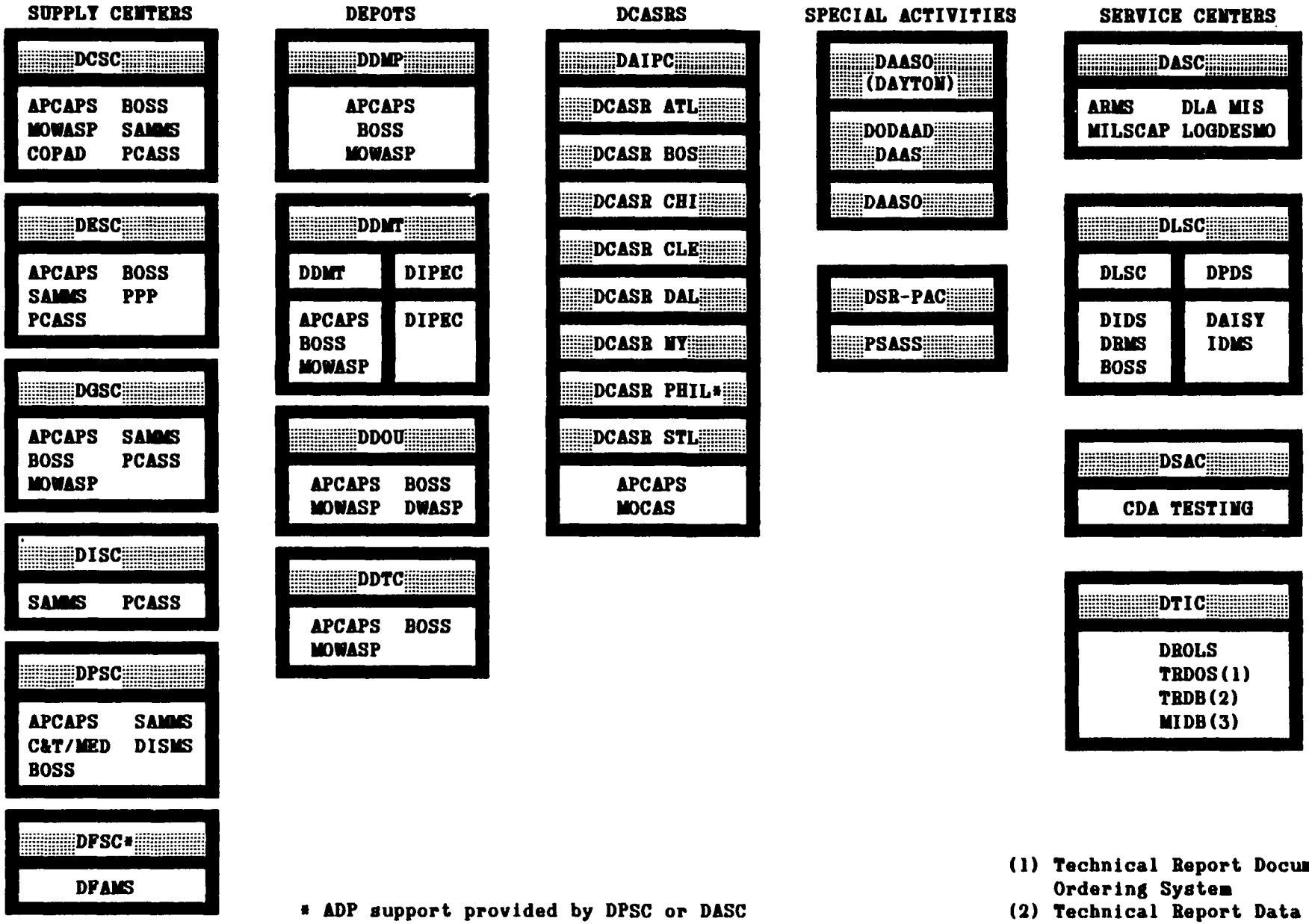
1. DLA INFORMATION SYSTEMS OVERVIEW

MAJOR DLA INFORMATION PROCESSING SITES

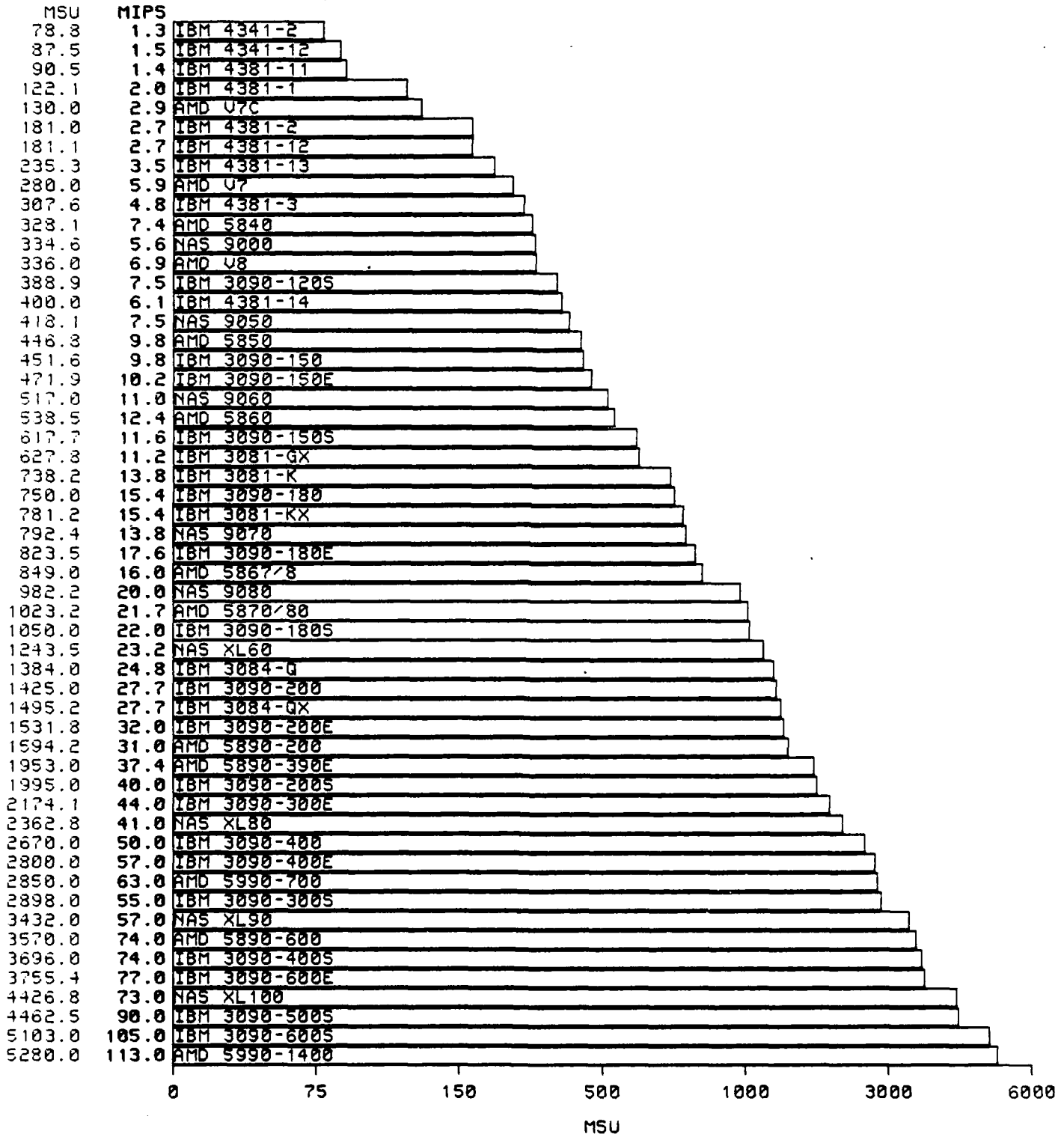


* ADP support provided by DPSC or DASC

(1) Technical Report Document Ordering System
(2) Technical Report Data Base
(3) Management Information Data Base

CPU POWER CHART

MSU's Per System



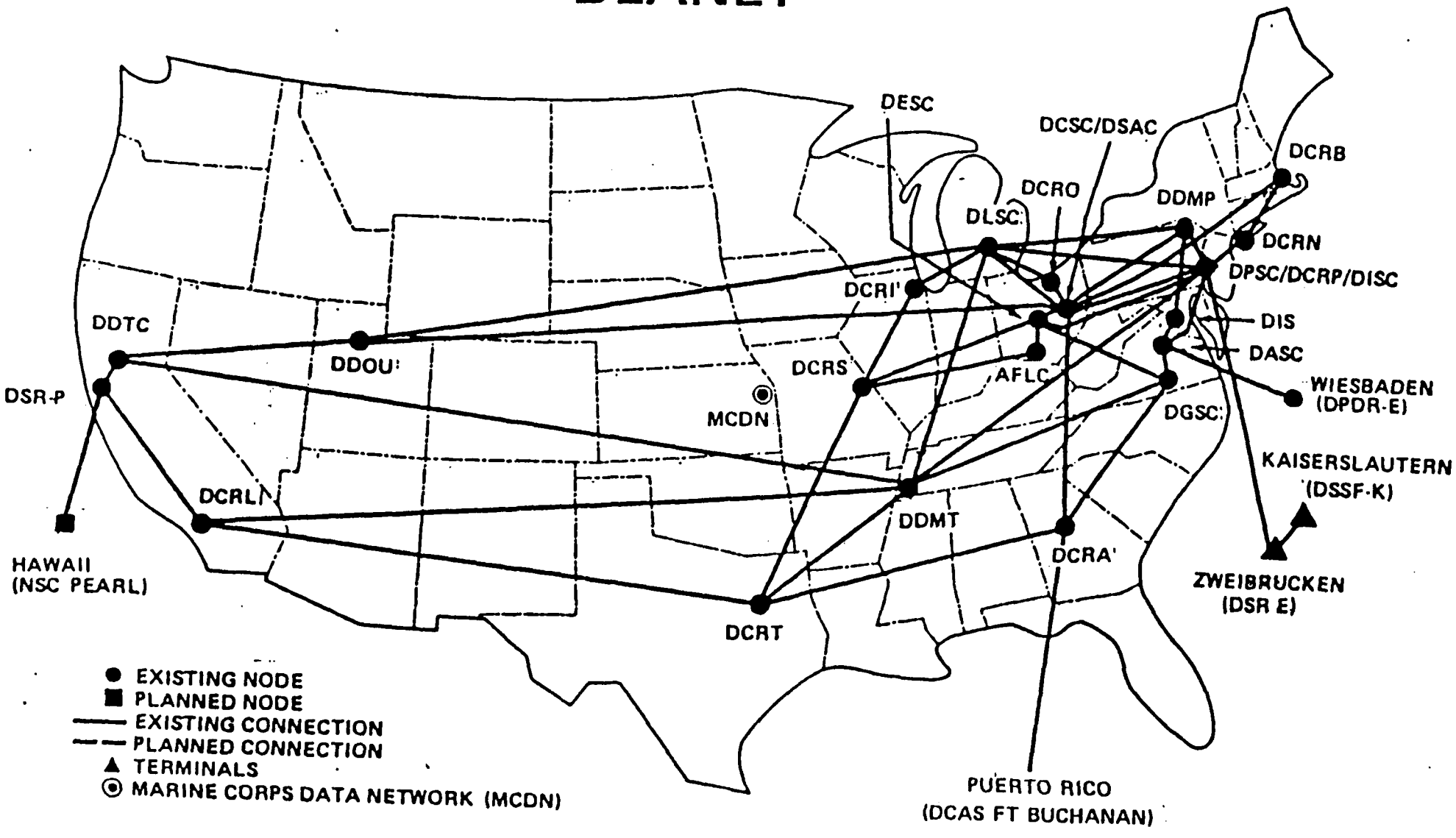
Key DLA ADP Hardware

SITE	ID	MODEL	MEMORY	CHANNELS	Total DASD BYTES
DCSC	DCSC0	NAS 9080*	64 MB	32	45.58GB
	DCSC1				
DESC	DESC0	AMDAHL V8	16 MB	16	48.00GB
	DESC1	AMDAHL V8	16 MB	16	
DGSC	DGSC0	AMDAHL 5870	64 MB	32	111.60GB
	DGSC1	AMDAHL V8	16 MB	16	
DISC	DISC1	NAS 9050	32 MB	16	30.00GB
DPSC	DPSC0	AMDAHL V8	16 MB	16	204.04GB
	DPSC1	AMDAHL 5860	32 MB	16	
	DPSC2	AMDAHL V8	16 MB	16	
	DPSC3	AMDAHL 5870	64 MB	32	
DDMP	DDMP0	IBM 4381	16 MB	12	24.09GB
DDMT	DDMT0	IBM 4381	16 MB	12	20.50GB
	DDMT1	IBM 4341	8 MB	6	
DDOU	DDOU0	IBM 4381	16 MB	12	26.59GB
	DDOU1	IBM 4341	12 MB	6	
DDTC	DDTC1	IBM 4381	16 MB	12	15.00GB
DAIPC	DPC00	AMDAHL 5870	64 MB	32	139.00GB
DCASR ATL	DCRA0	AMDAHL V8	16 MB	16	24.20GB
DCASR BOS	DCRB0	AMDAHL 5870	64 MB	32	30.00GB
DCASR CHI	DCRI0	AMDAHL V8	16 MB	12	10.09GB
DCASR CLE	DCR00	AMDAHL V8	16 MB	12	22.70GB
DCASR DAL	DCRT0	AMDAHL V8	16 MB	16	17.74GB
DCASR LA	DCRL0	AMDAHL 5870	32 MB	32	34.11GB
DCASR NY	DCRN0	AMDAHL 5870	64 MB	32	23.81GB
DCASR PHIL	DPSC3	---Included with site DPSC---			
DCASR STL	DCRS0	AMDAHL V8	16 MB	12	17.74GB

SITE	ID	MODEL	MEMORY	CHANNELS	Total DASD BYTES
DSAC	DSAC0	IBM 3084**	128 MB	48	113.46GB
	DSAC1				
DLSC	DLSC0	IBM 4341	8 MB	6	14.80GB
	DLSC1	IBM 4341	8 MB	6	
DASC	DASC0	AMDAHL V8	16 MB	16	40.32GB
	DASC1	AMDAHL V8	16 MB	16	
DTIC		UNISYS 1100/82	9.4 MB	12	12.8GB
		UNISYS 1100/61	4.7 MB	5	

* Running in split image mode as two NAS 9060s (DCSC0 and DCSC1)
** Running in split image mode as two IBM 3081s (DSAC0 and DSAC1)

DLANET


DESC
DCSC/DSAC
DCRB
DCRO
DDMP
DLSC
DCRN
DPSC/DCRP/DISC
DCRI
DDTC
DDOU
DIS
DASC
DCRS
AFLC
DSR-P
MCDN
DGSC
WIESBADEN
(DPDR-E)
KAISERSLAUTERN
(DSSF-K)
DCRL
DDMT
DCRA
HAWAII
(NSC PEARL)
ZWEIBRUCKEN
(DSR E)
DCRT
EXISTING NODE
PLANNED NODE
EXISTING CONNECTION
PLANNED CONNECTION
TERMINALS
MARINE CORPS DATA NETWORK (MCDN)
PUERTO RICO
(DCAS FT BUCHANAN)

2. ADP CAPACITY MANAGEMENT DATA

YEARLY SUMMARY

1989 PLFA PERFORMANCE SUMMARY

CPU changes:

There were several CPU changes during the fourth quarter of 1989. A second CPU, an AMDAHL 5880 (DPC01), was added at DAIPC. DCRN upgraded their AMDAHL 5850 to an AMDAHL 5870. DCRB upgraded their AMDAHL 5860 to an AMDAHL 5870. The DPSC3 machine at DPSC was upgraded from an AMDAHL 5860 to an AMDAHL 5870. The DCSC0 and DCSC1 machines at DCSC, formerly an AMDAHL V8 and AMDAHL V7, have been replaced with a NAS 9080.

All CPU changes for the year are summarized by quarter on the chart titled ***1989 CPU CHANGES***.

Additional charting:

During 1989, the following was added to the DISPR:

-- MOTAM DWASP reports were added.

-- MOTAM BOSS reports were added.

-- TIS IRIS (formerly called DAISY) reports were added.

Charting changes:

-- System Availability trends are no longer carried in the DISPR.

-- The DCASR charts were modified to include the DLA Automated Information Processing Center (DAIPC).

-- 'TIS' charts were changed to 'APPLICATION' charts.

-- The Non-Standard workload is no longer broken down into the categories of Batch-Und, Unique, DORO, and Test.

-- The method of computing TIS response times was altered for VTAM terminals. Network delay time is no longer counted in the output queue time.

-- The CPU POWER CHART has been updated to provide the most current ratings available.

CPU utilization:

Notable decreases in CPU utilization were observed on all systems that were upgraded during this past quarter.

During the fourth quarter, several changes in the APCAPS workload were noted throughout the agency. At DGSC, APCAPS ran almost exclusively on the DGSC0 machine. This shift occurred after the DGSC0 machine was upgraded last quarter. Another APCAPS shift occurred at DPSC, where the APCAPS workload was shifted to the DPSC3 machine from DPSC0 in mid-December. DCRN APCAPS was moved to DAIPC in early November, and will now be labeled DFC-EAST. DASC APCAPS was moved from DDMP to DAIPC in early December, and will be called DFC-TRAN.

The yearly CPU utilization remained fairly consistent, with predictable decreases in utilization occurring at those sites that had CPU upgrades.

TIS:

TIS response times decreased slightly at most sites during the fourth quarter. During the past year, TIS APCAPS response times increased slightly overall, a change due at least partially to the implementation of electronic signature and TALE.

TIS response times for MOCAS, DIPEC and DISMS remained fairly consistent throughout this past year.

MOTAM:

DDMP and DDRV (processed at DCSC) BOSS systems were added to the DISPR this quarter. BOSS response times decreased slightly during the fourth quarter of 1989.

DWASP response times remained at or below 2 seconds during the fourth quarter. DDC0 DWASP (run at DCSC) showed a marked drop, from 3.57 seconds to 0.98 seconds. This decrease may be due to the shifting of DCSC APCAPS to DAIPC.

Reliability reports:

During the fourth quarter of 1989, the DLA averages for CPU, Channel, and Core use per hardfail were generally better than the National averages. The DLA averages for DASD use per hardfail were also better than the National averages for most devices. The two exceptions for DASD are the MEMOREX 33502, where the DLA average was drastically lower than the national average, and the MEMOREX 3350, where the DLA average was slightly lower than the National average.

The DLA averages for TAPE use per hardfail were also generally better than the National averages. The notable exceptions are the IBM 34203, and the IBM 34204, which rated lower than the National averages.

During 1989, the DLA averages for all Reliability reports were generally better than the National averages. The total amount of DASD storage capacity at the PLFAs increased by approximately 18% during 1989, largely due to the addition of DAIPC. The DASD changes and additions are summarized on the table titled ***R+ REPORTS - DASD STORAGE CAPACITY.***

Summary statistics:

The following three tables summarize the key performance variables for the quarter for Centers, Depots, and DCASRs. The workload percentages represent that percent of the total CPU usage that was charged to the line item. The percent for each category sum to 100%.

SUMMARY STATISTICS--CENTERS

Qtr Ending 31DEC89

	DCSC		DESC		DGSC		DISC	DPSC	
	CPUØ	CPU1	CPUØ	CPU1	CPUØ	CPU1	CPU1	CPUØ	CPU1
RMF HOURS	**693**	**722**	**715**	**7Ø7**	**72Ø**	**723**	**695**	**7Ø2**	**698**
%CPU BUSY	25	12	33	18	18	4Ø	39	43	41
%CPU PRIME	34	15	42	28	24	66	52	62	52
%CPU > 85%	2	Ø	3	Ø	Ø	26	2	7	3
% STANDARD	**37**	**27**	**33**	**31**	**2Ø**	**3**	**45**	**29**	**25**
APCAPS	Ø	1	Ø	6Ø	27	1	Ø	37	Ø
BOSS	1	7	Ø	5	2	81	Ø	Ø	2
DISMS	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	8Ø
DWASP	27	54	Ø	Ø	2Ø	Ø	Ø	Ø	Ø
O-STD	1	24	Ø	31	2	1	1	1	18
SAMMS	71	14	1ØØ	4	49	17	99	62	Ø
% NON-STANDARD	**16**	**15**	**24**	**21**	**18**	**8Ø**	**13**	**11**	**11**
% ONLINE	**17**	**22**	**16**	**18**	**21**	**6**	**11**	**25**	**23**
BOSS	Ø	Ø	Ø	3	6	2	Ø	Ø	2
MISC	7	75	3	1	Ø	45	Ø	Ø	17
SAMMS	62	5	66	Ø	23	1	71	25	Ø
TIS-APCAP	Ø	Ø	Ø	78	27	Ø	Ø	53	Ø
DWASP	Ø	Ø	Ø	Ø	2Ø	Ø	Ø	Ø	Ø
TIS-DISMS	Ø	Ø	Ø	Ø	Ø	Ø	Ø	2	65
TSO	31	2Ø	31	18	24	52	29	2Ø	16
% SUPPORT	**8**	**11**	**9**	**12**	**11**	**5**	**11**	**16**	**22**
HSK	Ø	Ø	16	14	21	31	14	27	36
STC	1ØØ	1ØØ	84	86	79	69	86	73	64
% OVERHEAD	**22**	**25**	**18**	**18**	**32**	**6**	**2Ø**	**19**	**19**

SUMMARY STATISTICS--DEPOTS

Qtr Ending 31DEC89

	DDMP CPUØ	DDMT CPUØ	DDMT CPU1	DDOU CPUØ	DDTC CPU1
RMF HOURS	723	726	718	723	671
%CPU BUSY	44	46	25	51	41
%CPU PRIME	69	65	27	67	53
%CPU > 85%	9	7	1	10	2
% STANDARD	20	28	20	27	27
APCAPS	24	64	Ø	64	53
BOSS	11	5	Ø	6	4
DIPEC	Ø	Ø	100	Ø	Ø
DWASP	56	28	Ø	26	43
O-STD	9	3	Ø	4	Ø
% NON-STANDARD	4	12	15	5	13
% ONLINE	38	31	11	34	26
DWASP	68	31	Ø	68	35
OL-MISC	Ø	Ø	45	Ø	Ø
TIS-APCAP	17	58	Ø	29	45
TSO	15	11	55	3	20
% SUPPORT	19	11	24	15	13
HSK	50	10	Ø	6	40
STC	50	90	100	94	60
% OVERHEAD	19	18	30	19	21

SUMMARY STATISTICS--DCASRS

Qtr Ending 31DEC89

	DCRA CPU0	DCRB CPU0	DCRI CPU0	DCRN CPU0	DCRO CPU0	DCRS CPU0	DCRT CPU0	DPCO CPU0	DPSC CPU3
RMF HOURS	**472**	**493**	**494**	**521**	**510**	**467**	**443**	**697**	**676**
%CPU BUSY	41	22	34	17	43	37	43	40	18
%CPU PRIME	54	32	48	27	58	49	58	58	33
%CPU > 85%	2	0	0	0	1	1	3	4	0
% STANDARD	**30**	**24**	**24**	**10**	**26**	**24**	**23**	**20**	**8**
APCAPS	17	22	34	25	25	31	29	54	0
MOCAS	83	78	66	75	75	69	71	46	100
% NON-STANDARD	**7**	**7**	**5**	**7**	**10**	**16**	**5**	**24**	**16**
% ONLINE	**45**	**43**	**50**	**45**	**48**	**41**	**52**	**34**	**47**
TIS-APCAP	26	18	22	9	15	16	17	17	7
TIS-MOCAS	70	77	71	89	78	76	77	73	88
TSO	4	5	7	7	7	8	6	10	5
% SUPPORT	**6**	**7**	**7**	**9**	**4**	**6**	**8**	**9**	**12**
HSK	35	24	34	0	0	0	38	48	4
STC	65	76	66	100	100	100	62	52	96
% OVERHEAD	**12**	**19**	**14**	**29**	**12**	**13**	**12**	**13**	**17**

Yearly Summary - 1989

1989 CPU CHANGES

The CPU upgrades and additions that occurred in 1989 are summarized by quarter in the table below.

FIRST QUARTER, 1989

SITE	CPUID	FROM	TO
DAIPC	DPC00		AMDAHL 5870

SECOND QUARTER, 1989

no changes this quarter

THIRD QUARTER, 1989

SITE	CPUID	FROM	TO
DGSC	DGSC0	AMDAHL V8	AMDAHL 5870
DCRL	DCRL0	AMDAHL 5860	AMDAHL 5870

FOURTH QUARTER, 1989

SITE	CPUID	FROM	TO
DAIPC	DPC01		AMDAHL 5880
DCRN	DCRN0	AMDAHL 5850	AMDAHL 5870
DPSC	DPSC3	AMDAHL 5860	AMDAHL 5870
DCRB	DCRB0	AMDAHL 5860	AMDAHL 5870
DCSC	DCSC0*	AMDAHL V8	NAS 9080
DCSC	DCSC1*	AMDAHL V7	

* -- Running in split image mode as two NAS 9060s (DCSC0 and DCSC1)

R+ Reports - DASD Storage Capacity

The following table displays the number of DASD devices added or removed from each site during 1989. It also shows the total number of gigabytes currently at each site, and the percentage of increase in DASD storage that has occurred during 1989.

SITE	4305	2314	3330-1	3330-11	3350	3350-2	3380	3380E	TOT GB	% INCR
DASC									40.32	n/c
DSAC					+24	+16		+20	113.46	+ 24%
DCSC				-16					45.58	- 10%
DESC									48.11	n/c
DGSC				- 8					108.49	- 2%
DISC									45.51	n/c
DLSC				+ 4					17.79	+ 7%
DPSC						-32		+16	198.14	+ 5%
DDMP									24.09	n/c
DDMT									20.50	n/c
DDOU									26.73	n/c
DDTC									15.18	n/c
DCRA									25.28	n/c
DCRB									30.30	n/c
DCRI			- 4						18.46	n/c
DCRL									34.11	n/c
DCRN									24.01	n/c
DCRO						-12			21.51	- 15%
DCRS									17.74	n/c
DCRT									17.74	n/c
DPCO	+ 2							+116	139.00	+100%

TOTALS

	4305	2314	3330-1	3330-11	3350	3350-2	3380	3380E	TOT GB	% INCR
TOTAL	+ 2			- 4	+ 4	-28		+152	1032.05	+ 18%

Feature Article

1989 A Year of Change

This quarter's feature article takes a look back at some of the significant changes which occurred in 1989. There are two charts which are included with this article. The first chart compares Direct Access Storage Device (DASD) growth in 1989 to 1988 and the second chart rates the power of DLA CPUs in 1989 to 1988. The charts are segregated by Centers, Depots, DCASRs, Others and DLA. The Others classification consists of sites DASC, DLSC and DSAC; the DLA classification is a combined total of the four groups.

The amount of DASD space available at the Centers and Depots remained the same in 1989 as it was in 1988. In 1989 there was a 65% increase in DASD space at the DCASRs and a 25% increase at "Others". The increase at the DCASRs is largely attributable to the formation of DAIPC which became fully operational in 1989. DLA as a whole has the capacity to store over one trillion bytes of data with the Centers (43%) and the DCASRs (32%) accounting for the majority of DASD space.

One of the ways to measure CPU processing power is through a metric known as Millions of Instructions Per Second (MIPS). This metric measures the number of CPU instruction per second that can be executed by a processor complex. These MIPS ratings are known for all of the DLA IBM and IBM compatible systems. By examining these ratings, DLA's computer power can be determined. While other, more sophisticated measures are used for detailed capacity planning, the MIPS ratings can still be useful for such comparisons as are presented here. There were no CPU upgrades at the Depots or Others in 1989. Their total MIPS capability has remained at 13.4 and 44.1 respectively. On the other hand the DCASRs experienced many CPU upgrades in 1989 and the Centers had two. With all the upgrades at the DCASRs their combined CPU power increased over 100% in 1989. The least powerful CPUs in DLA are located at the Depots while the processors at the DCASRs possess over 44% of all of DLA's computer power.

Other highlights in 1989

Computer Associates comprehensive storage management systems ASM2 was installed at all DSAC supported DLA sites. Site personnel received hands on training at DSAC and have begun to use ASM2's report generator, RSVP, and archival functions to free up DASD space. A greatly enhanced version of ASM2 is expected to be released sometime in 1990.

Computer Associates' LOOK/MVS performance measurement software has been fielded to all PLFAs and training was provided by the vendor. LOOK/MVS will replace Boole and Babbage's RESOLVE/MVS as the standard performance monitor within DLA. LOOK/MVS consists of three major components:

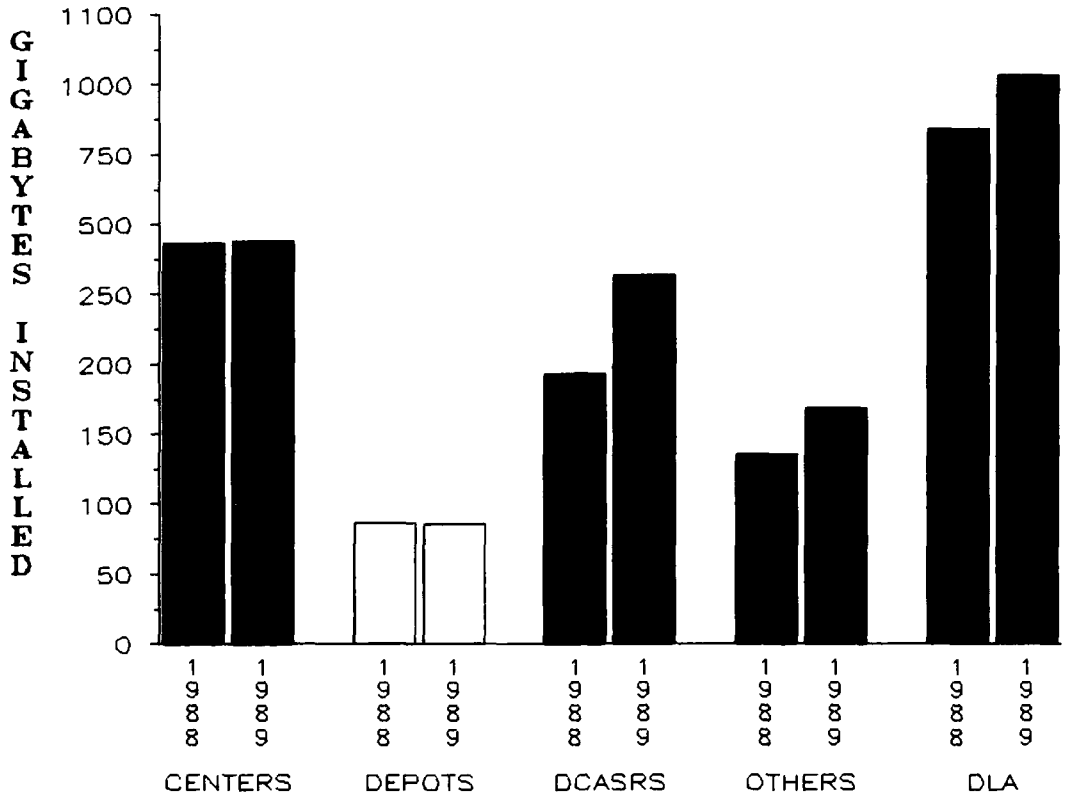
(1) Real Time Monitor (RTM) which allows site personnel to find out what is happening on their computer system at the current moment.

(2) TRACKS exception monitor which looks at user defined criteria and issues warnings if the established thresholds have been exceeded.

(3) Extended Performance Analyzer (EPA) which allows site personnel to produce trending reports of captured LOOK and TRACKS information.

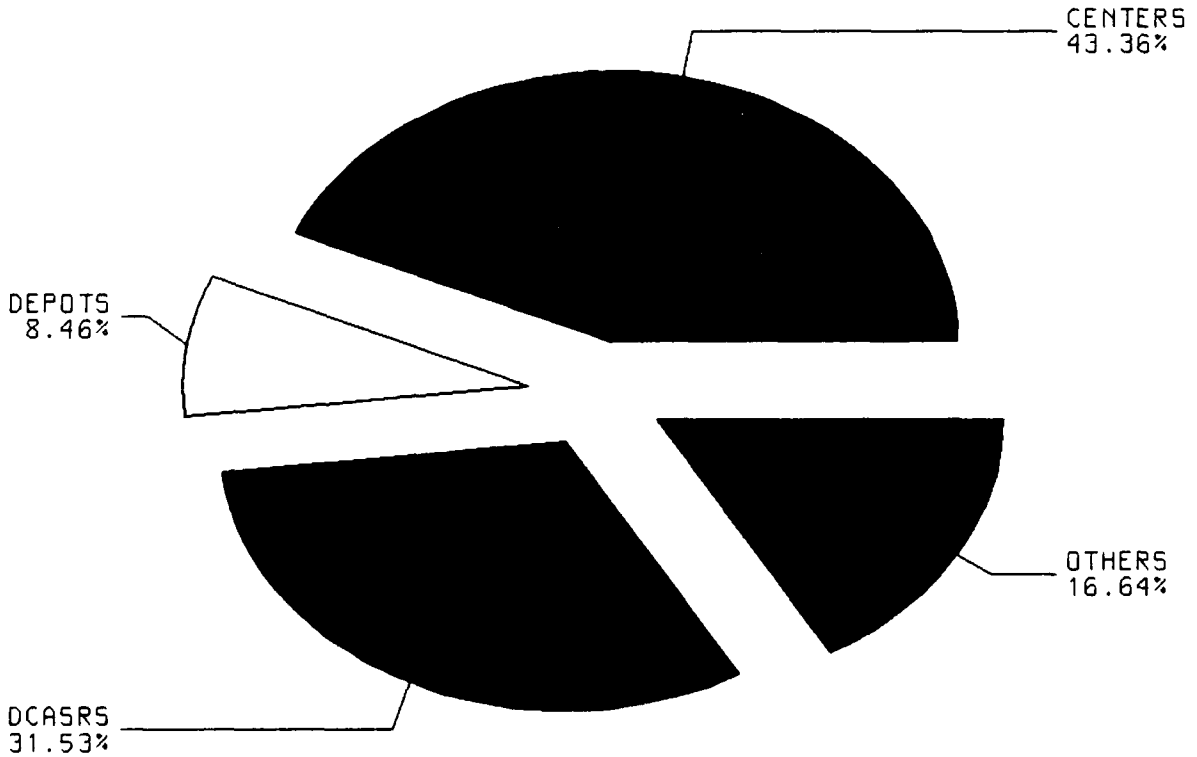
IBM's MVS/XA Operating System has been installed at one DLA site (DAIPC) and is anticipated to be released to other PLFAs in the future.

DASD GROWTH - 1988 VS 1989

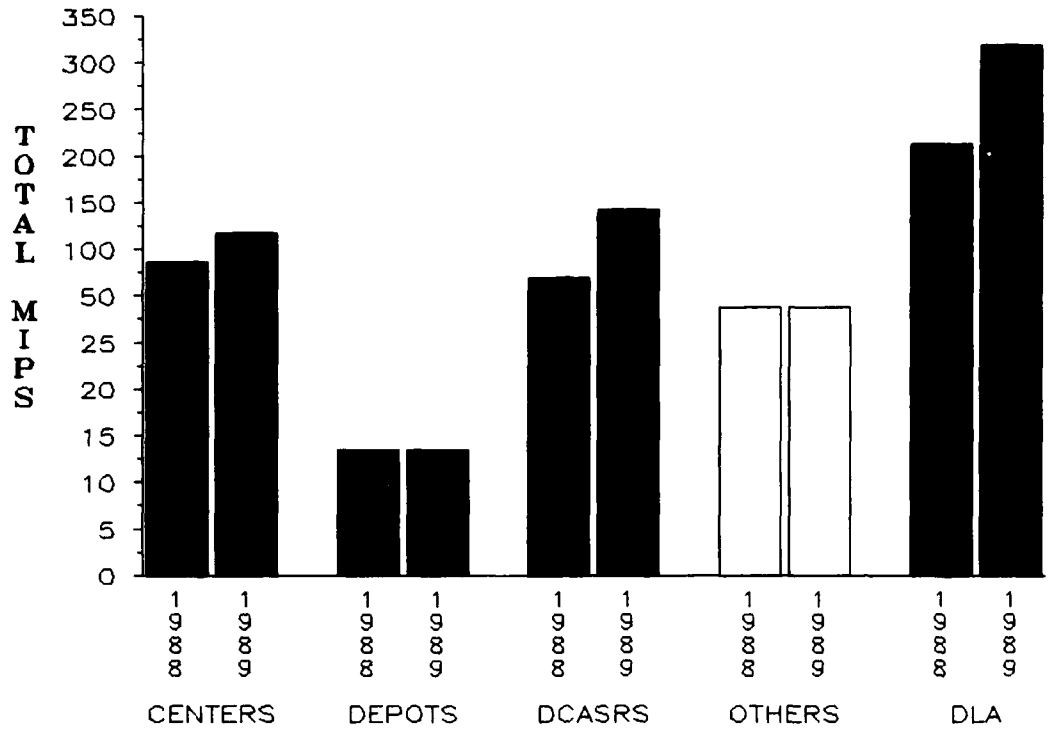


DISTRIBUTION OF INSTALLED DASD – 1989

BY CLASS OF SITE



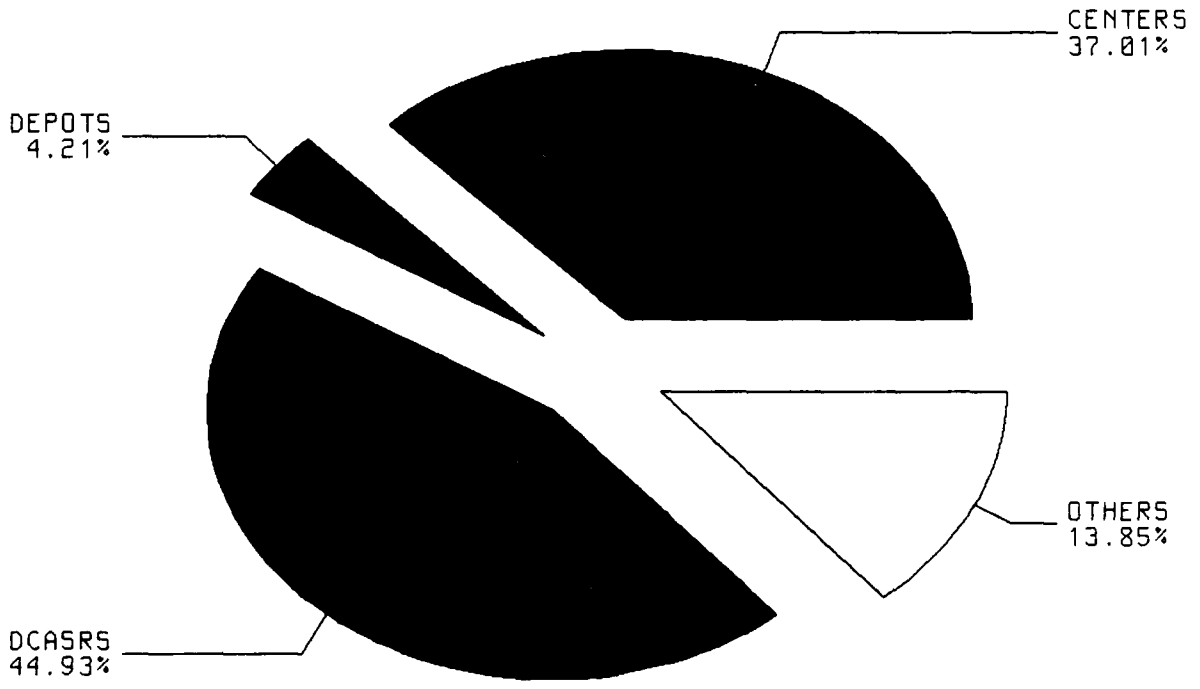
CPU POWER RATING - 1988 VS 1989



NOTE: SCALE CHANGES AT 25

DISTRIBUTION OF CPU POWER – 1989

BY CLASS OF SITE



DEFINITIONS

RMF HOURS Resource management facility (RMF) hours shows the number of hours of RMF data accumulated for each month during the last 6 months. A high number of RMF hours indicates that utilization data is based on a statistically sound sample.

CPU BUSY Percentage of time during the 1-hr sampling intervals that the CPU was busy. Peak hours shows percentage of time during the RMF sampling period that a CPU busy rate of 85 percent or more was sustained for at least one full hour during the current month. High shows the highest quarterly average CPU busy during the past 12 months, and low, the lowest. Average values show the past 12 months' quarterly CPU busy rate. Current is an average taken from the current quarter's data. Generally, 85 percent busy is considered a dangerous level to sustain for any considerable amount of time. A 65 percent busy average is considered high because one quarter's data may contain many lulls.

DASD RATE PER SECOND * Activity per second for direct access storage devices. Activity is defined as successful start IO'S (SIO'S).

DEMAND PAGING PER SECOND * Number of demand paging requests per second during sampling interval. For on-line systems, paging rates above 35 pages per second could impact response times. However, larger systems can sustain relatively high demand paging rates.

* Peak values show the percent of time that the CPU was greater than 85% busy. High shows the highest quarterly value attained during the past 12 months and low, the lowest. Average values show the 12 months' overall quarterly average. Current represents an average taken from the current quarter's data.

RMF (Resource Management Facility)

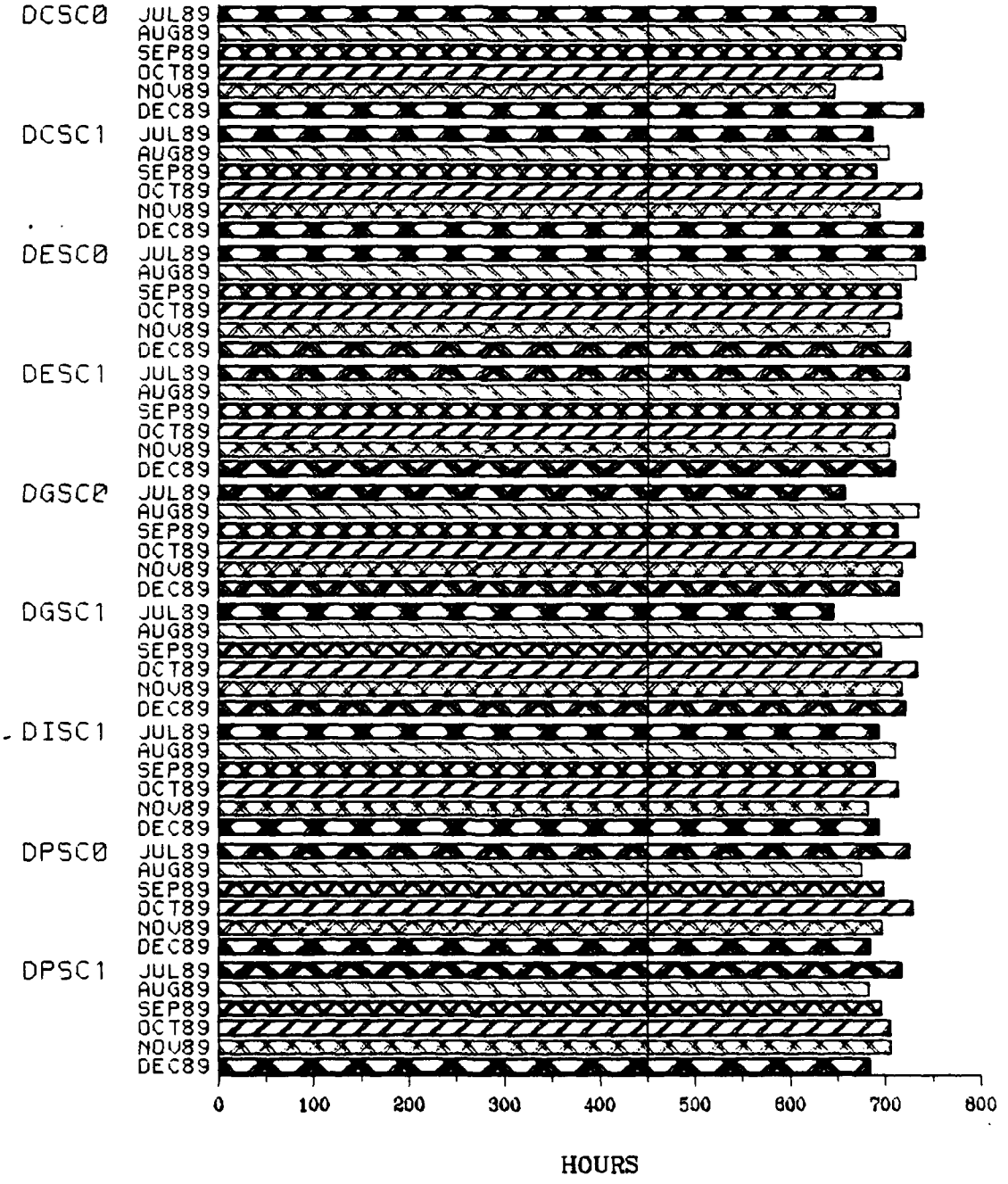
Hours for All Sites

CHART OF RMF HOURS

FOR LAST 6 MONTHS

MONTH ENDING DEC 1989

SITE=CENTER



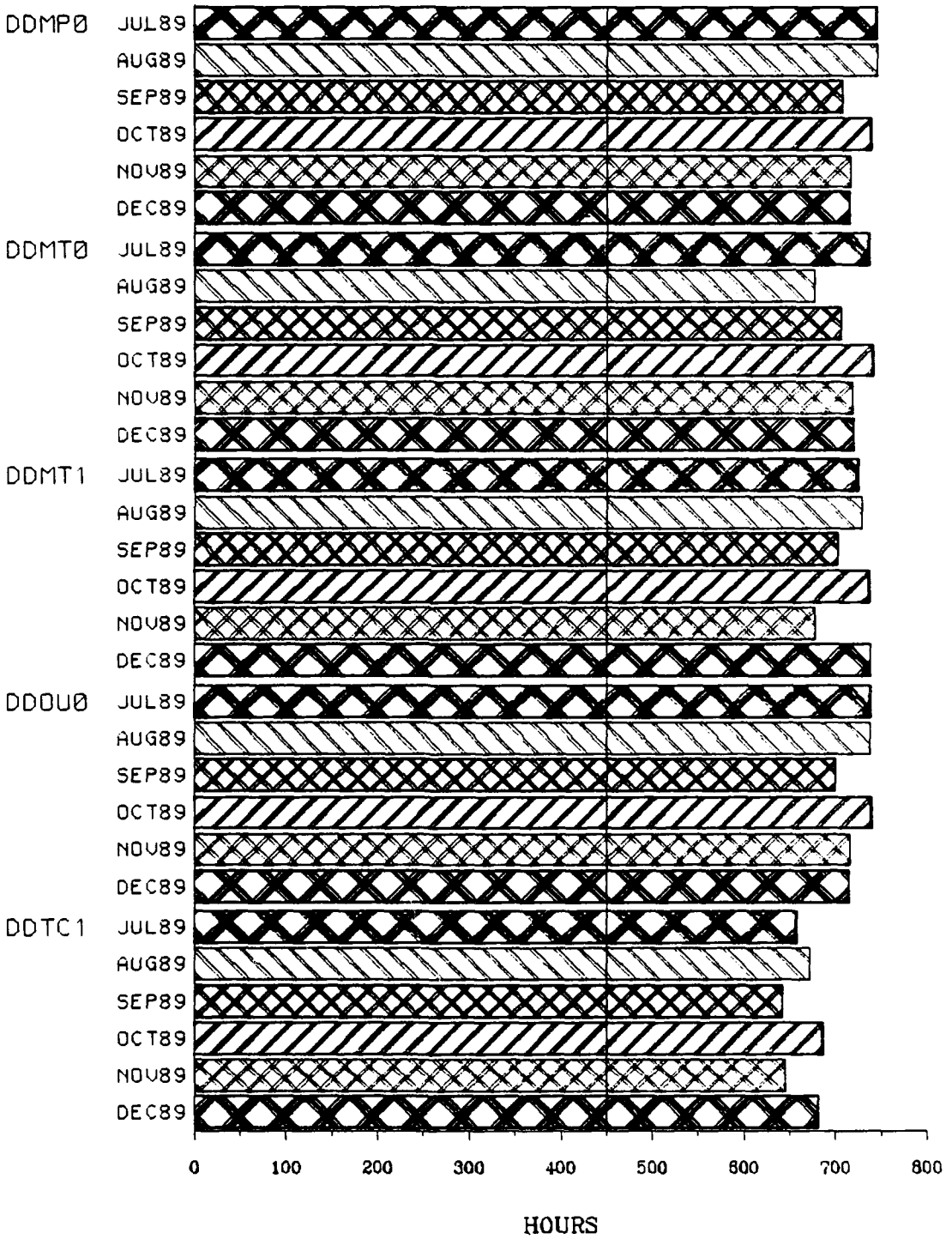
NUMBER OF REPORTED RMF HOURS

CHART OF RMF HOURS

FOR LAST 6 MONTHS

MONTH ENDING DEC 1989

SITE=DEPOT



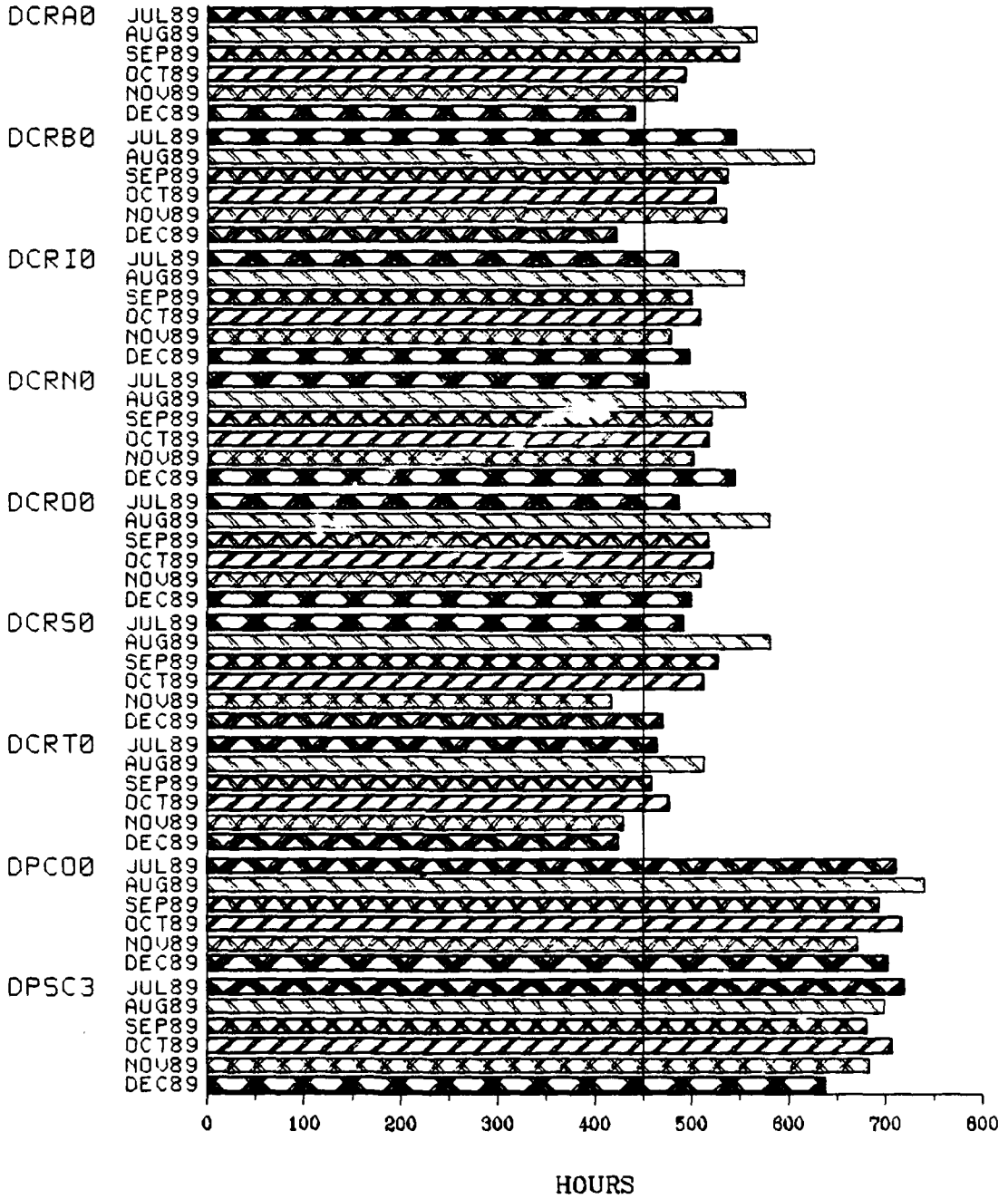
NUMBER OF REPORTED RMF HOURS

CHART OF RMF HOURS

FOR LAST 6 MONTHS

MONTH ENDING DEC 1989

SITE=DCASR



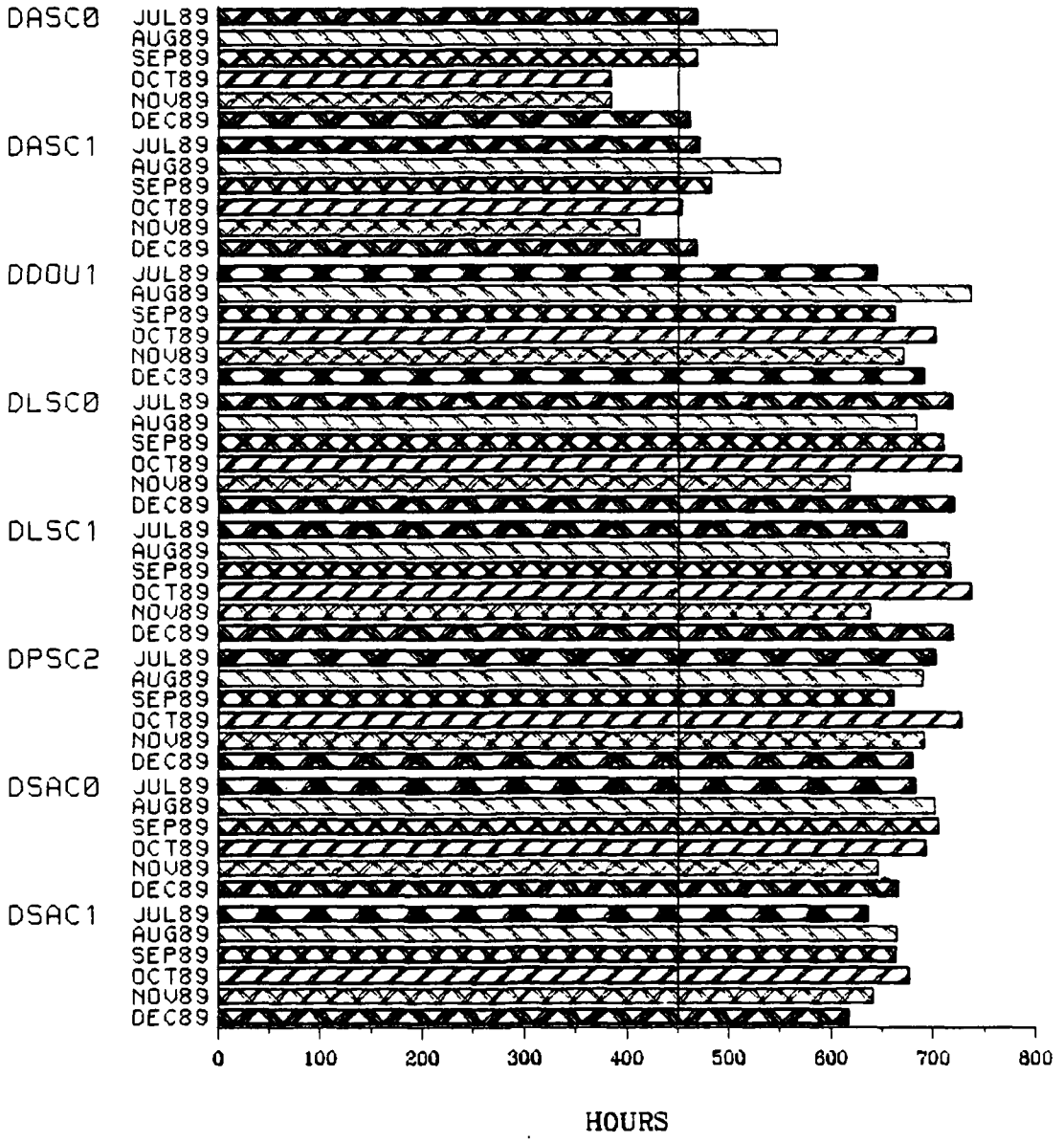
NUMBER OF REPORTED
RMF HOURS

CHART OF RMF HOURS

FOR LAST 6 MONTHS

MONTH ENDING DEC 1989

SITE=OTHER



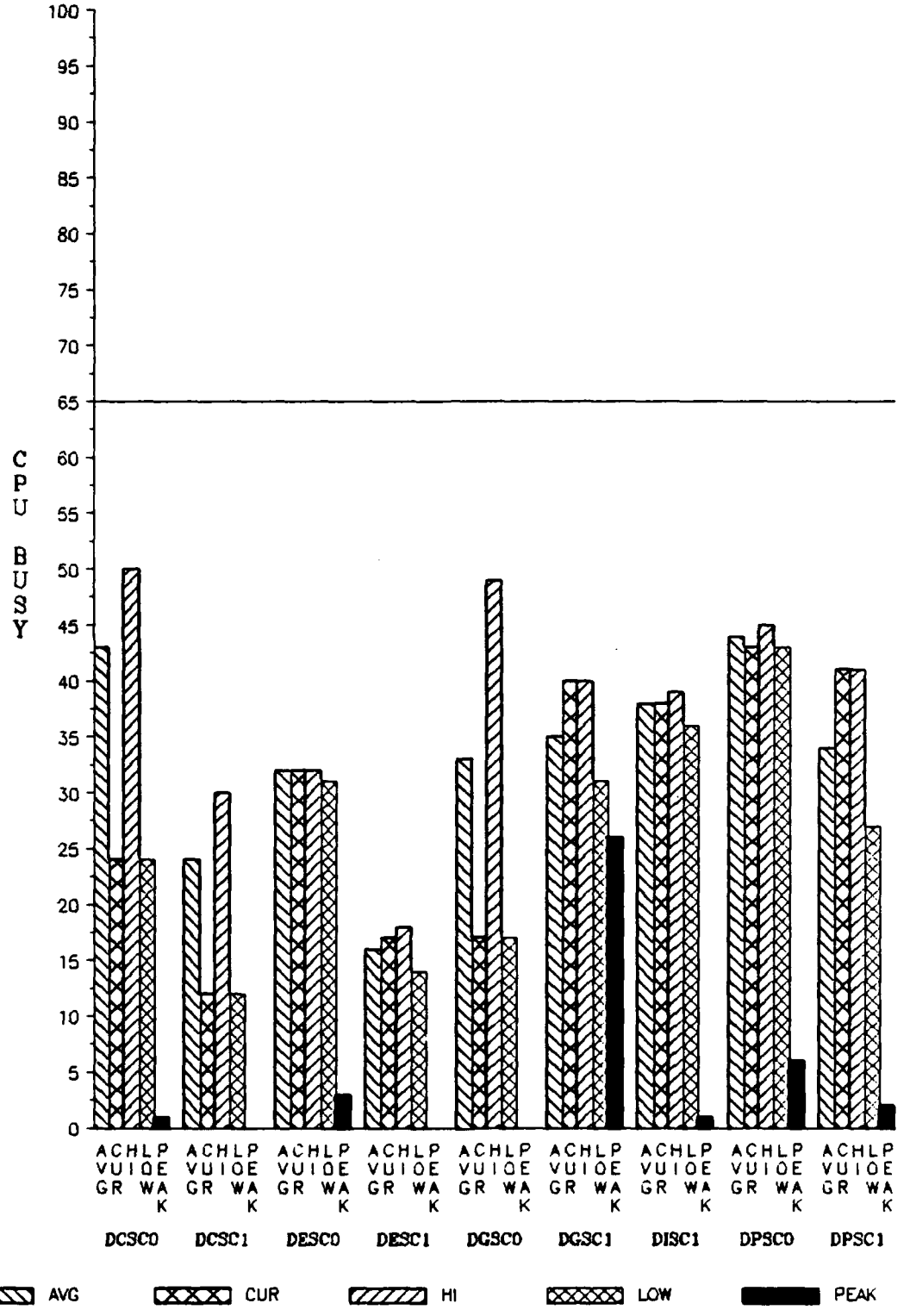
NUMBER OF REPORTED
RMF HOURS

Utilization Data Reports for Quarter Ending Dec 89

CHART OF CPU BUSY

YEAR ENDING DEC 89- BY QUARTERS

SITE=CENTER VAR=CPU_BSY



AVG-CUR-HIGH-LOW-PEAK
QTR -QTR - QTR -QTR -HOUR

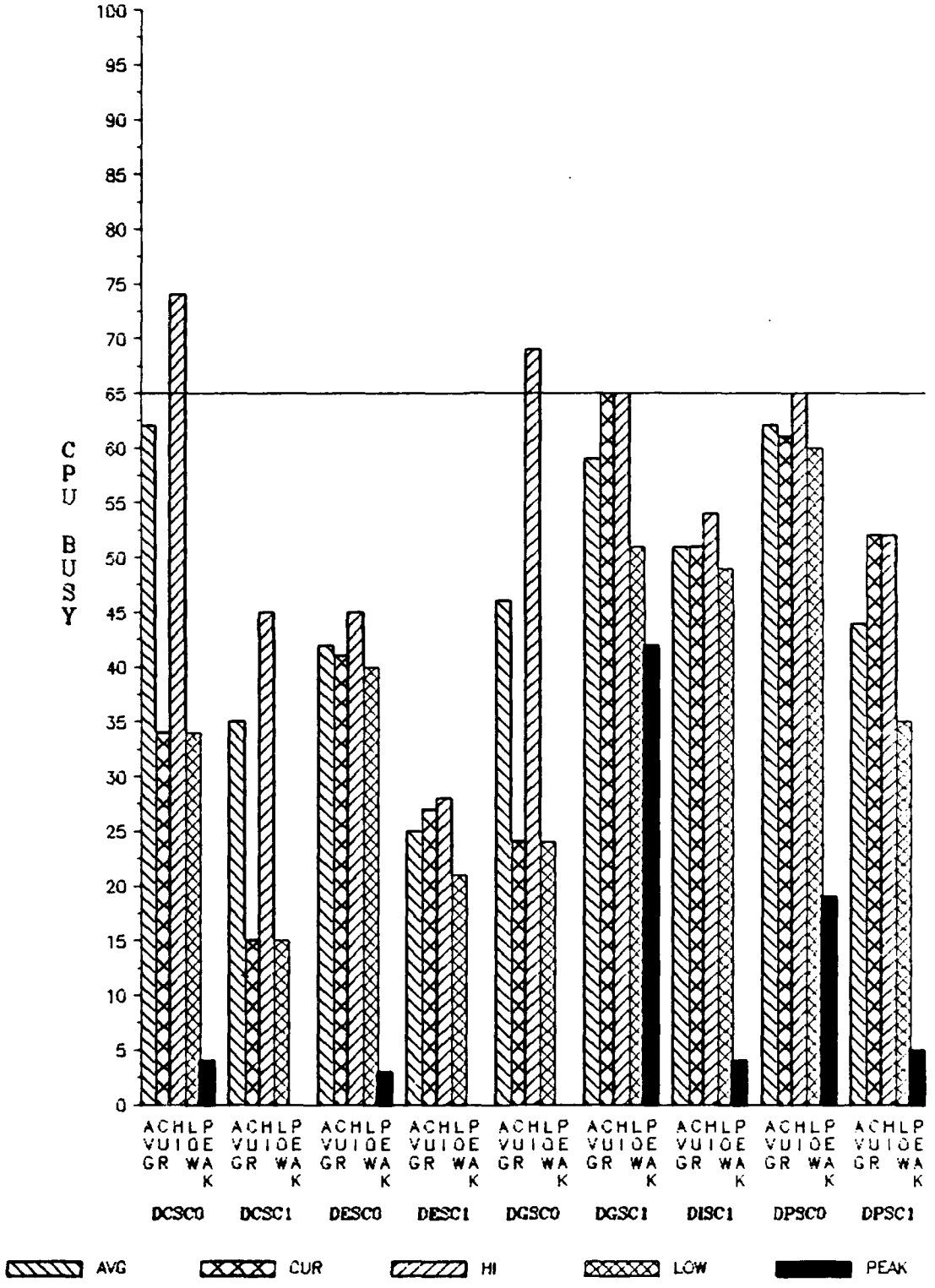
NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

CHART OF CPU BUSY

PRIME SHIFT MON – FRI

YEAR ENDING DEC 89– BY QUARTERS

SITE=CENTER VAR=CPU_BSY



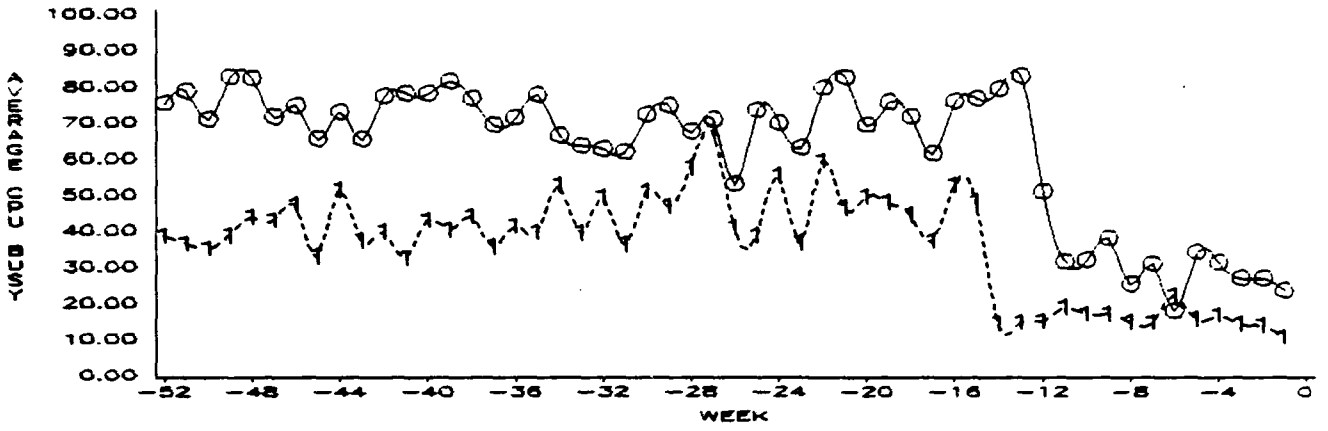
AVG–CUR–HIGH–LOW–PEAK

QTR –QTR – QTR –QTR –HOUR

NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

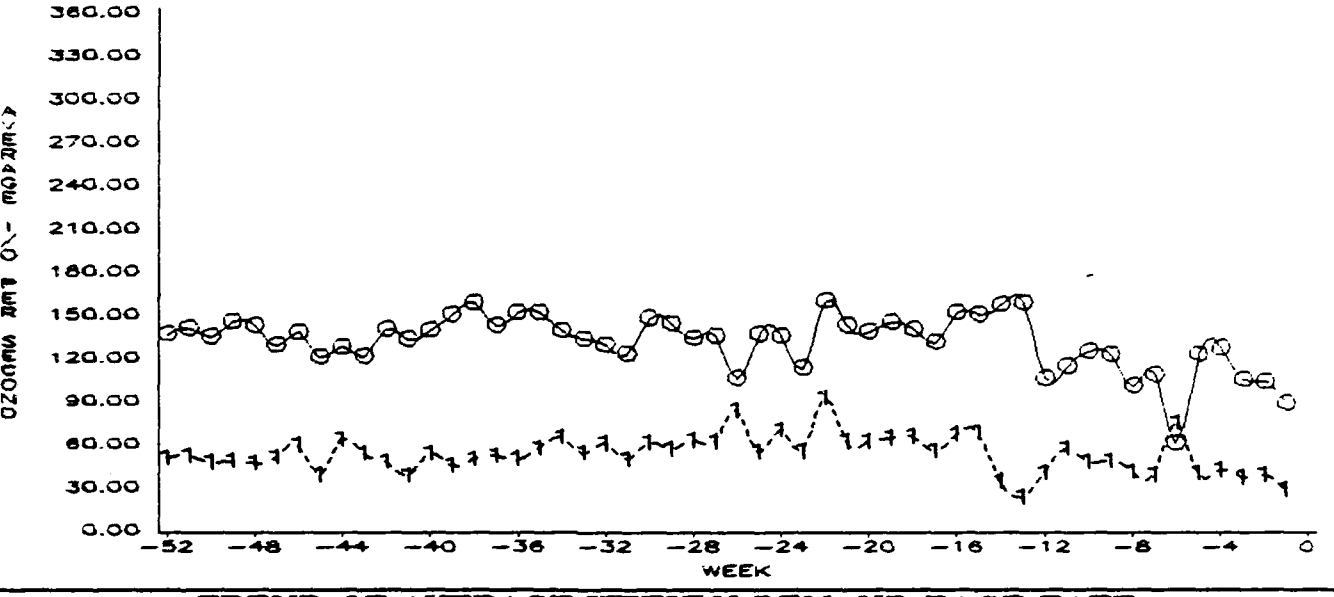
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C S C

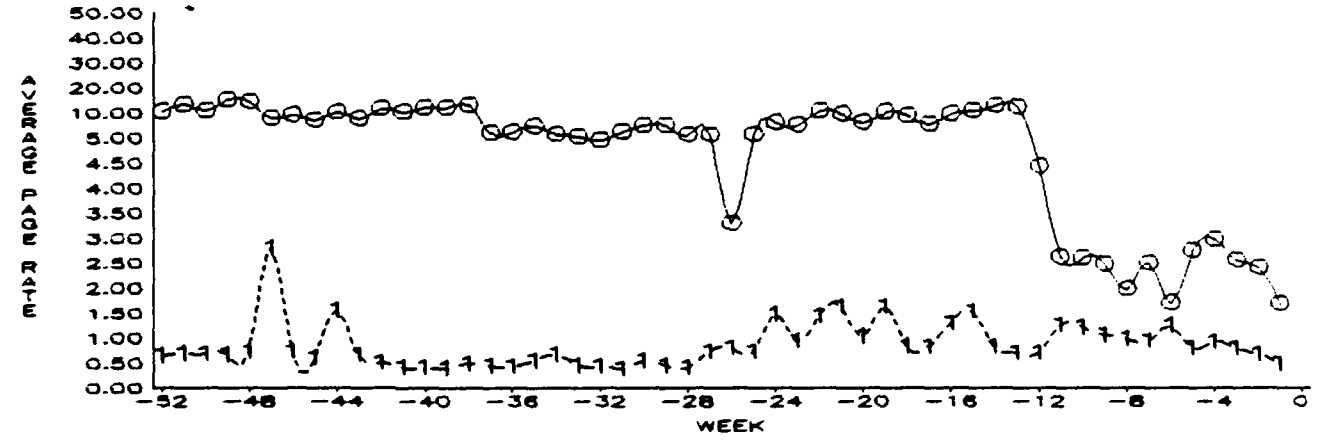


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



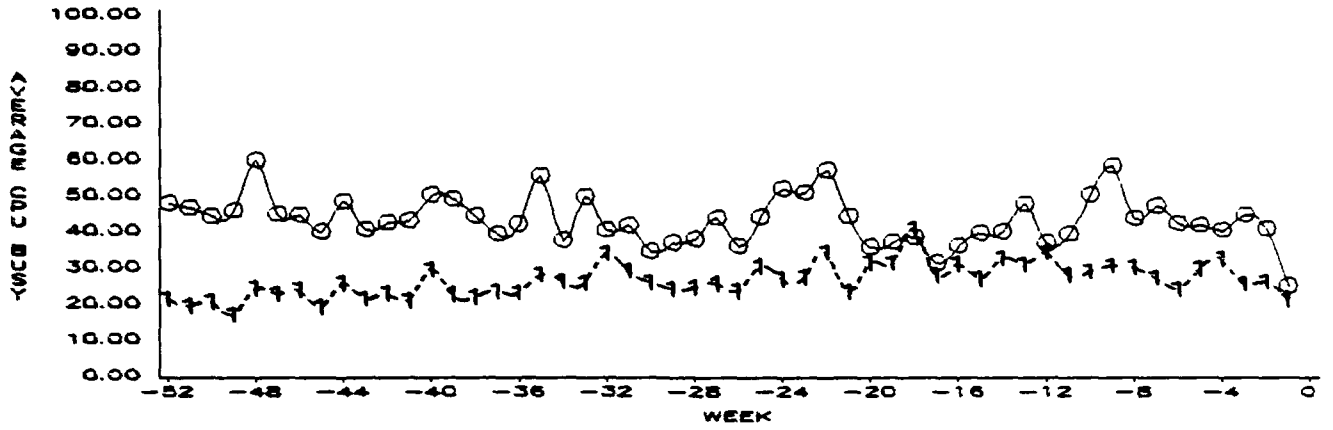
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

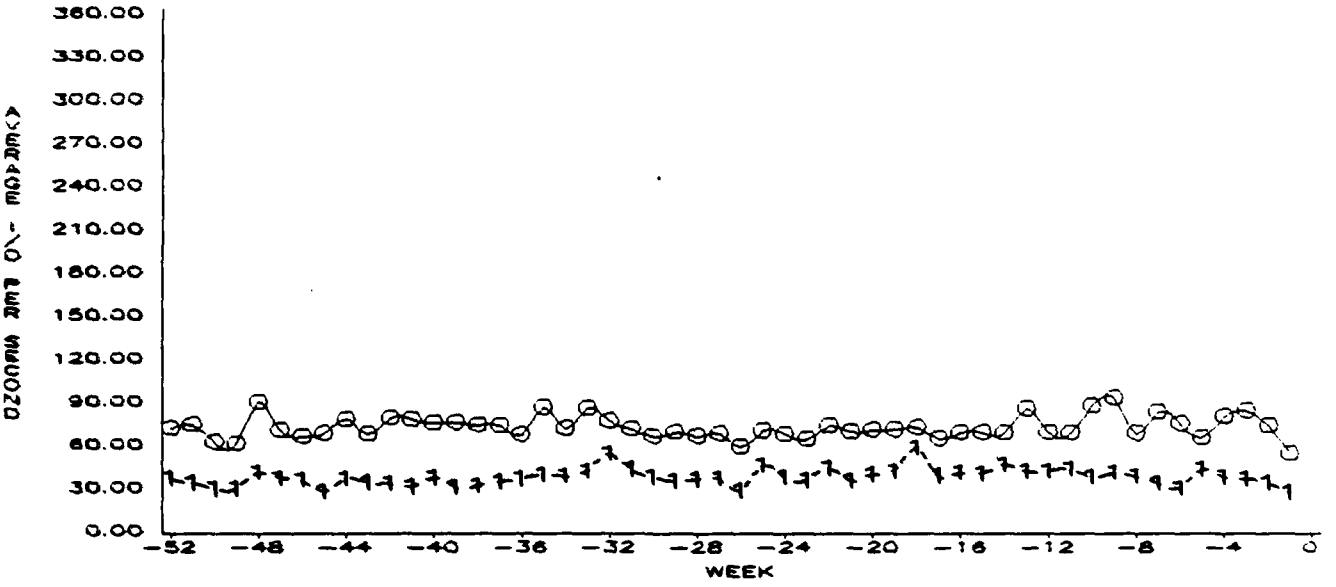
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D E S C

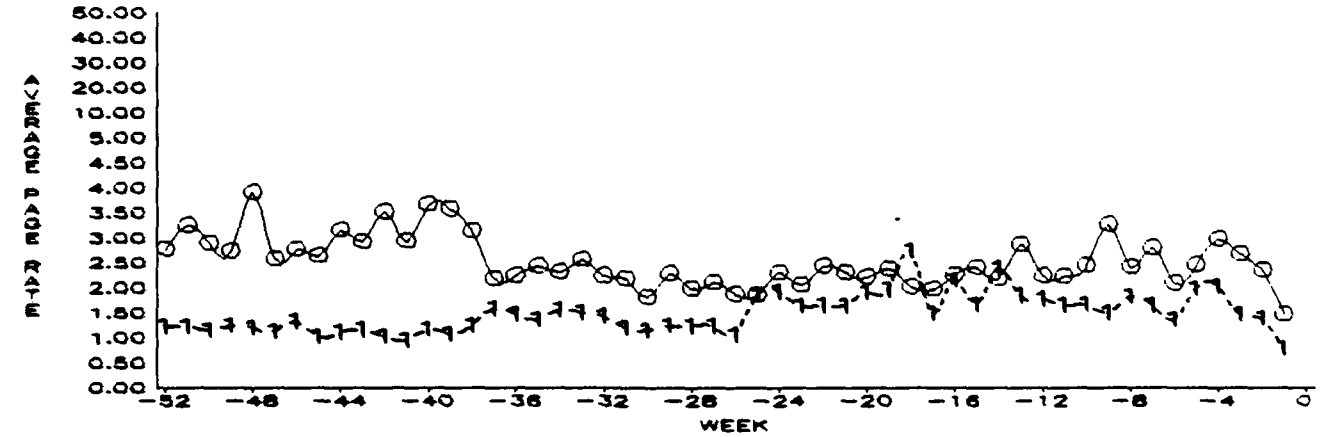


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



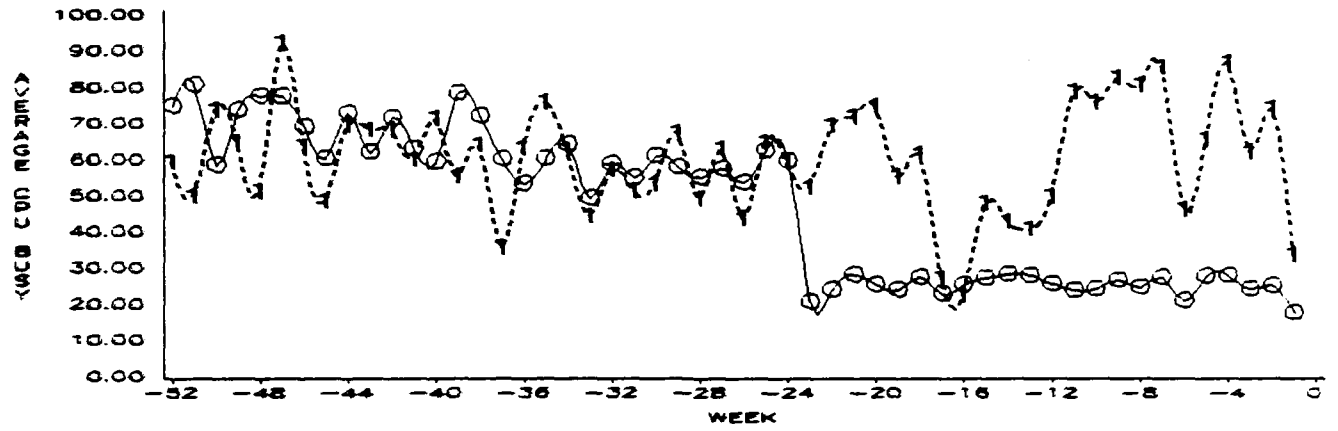
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

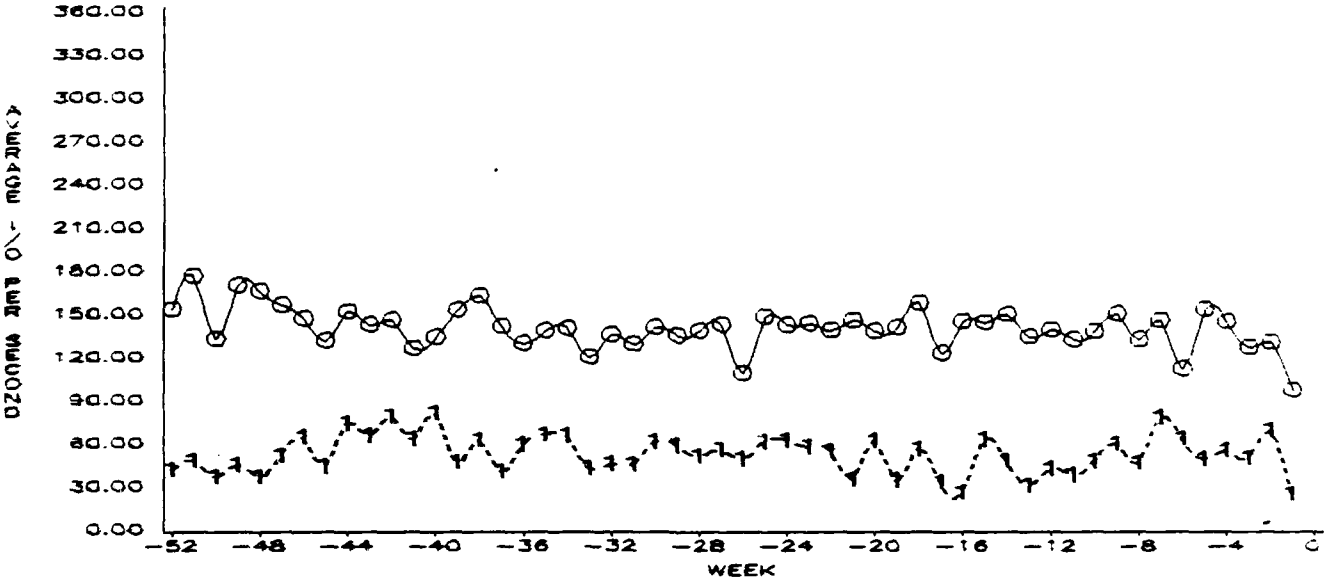
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D G S C

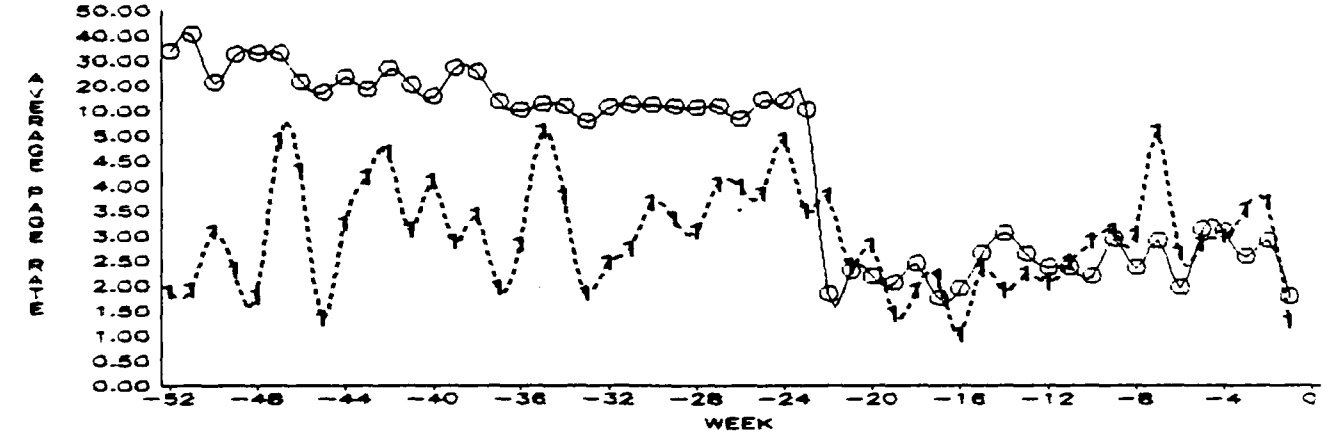


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



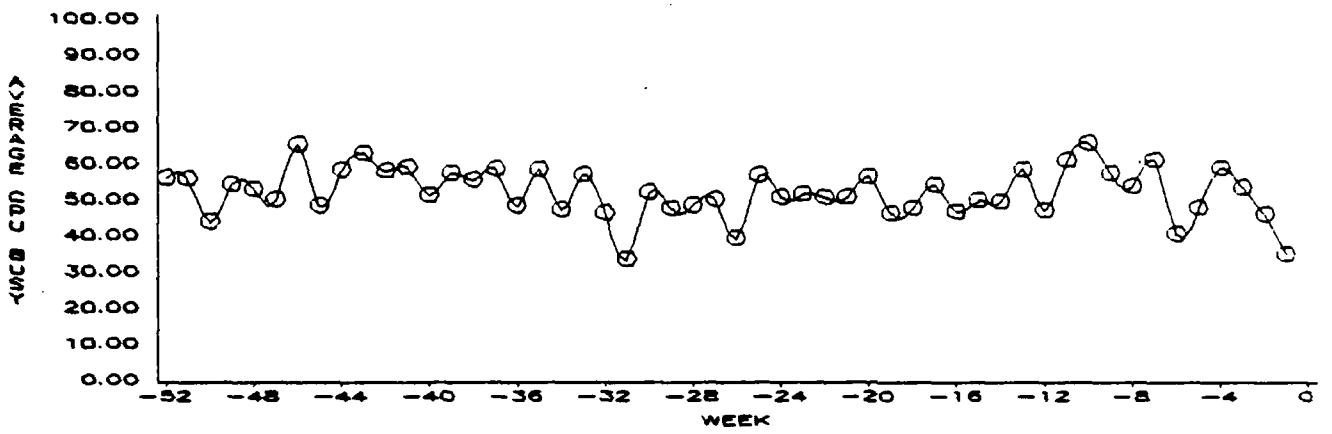
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

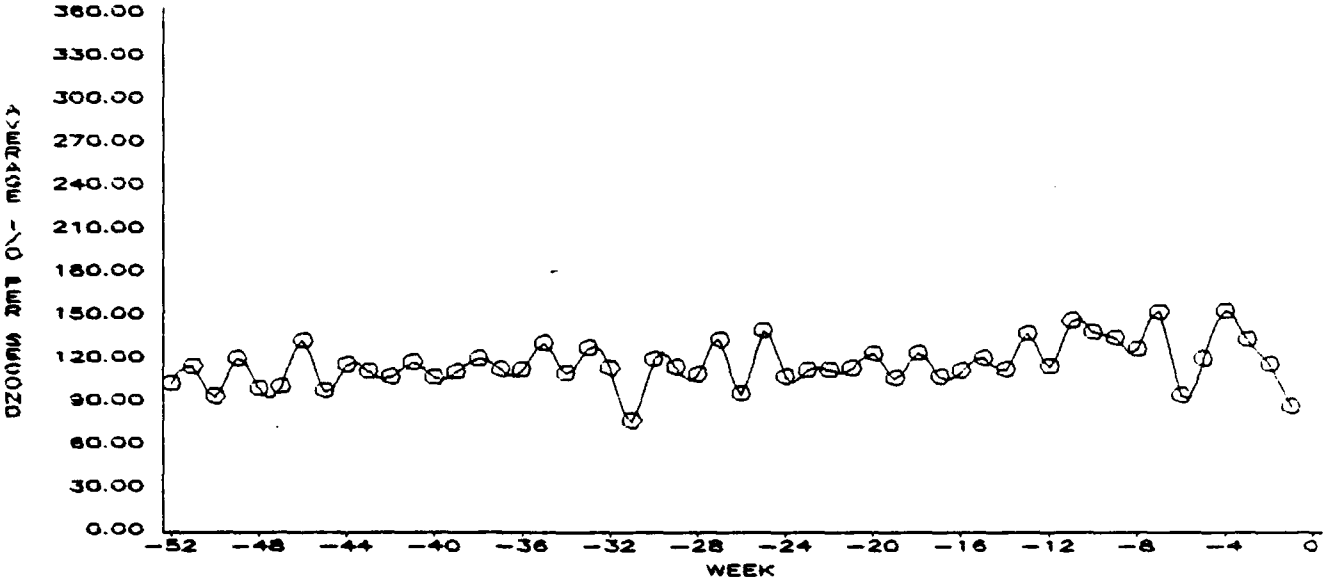
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D I S C

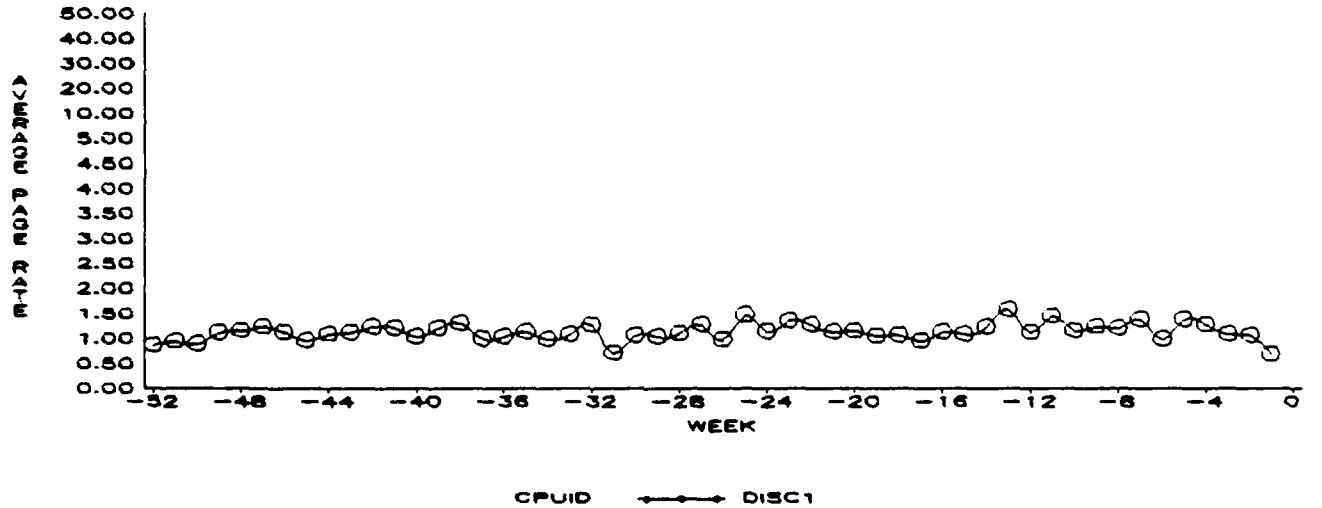


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



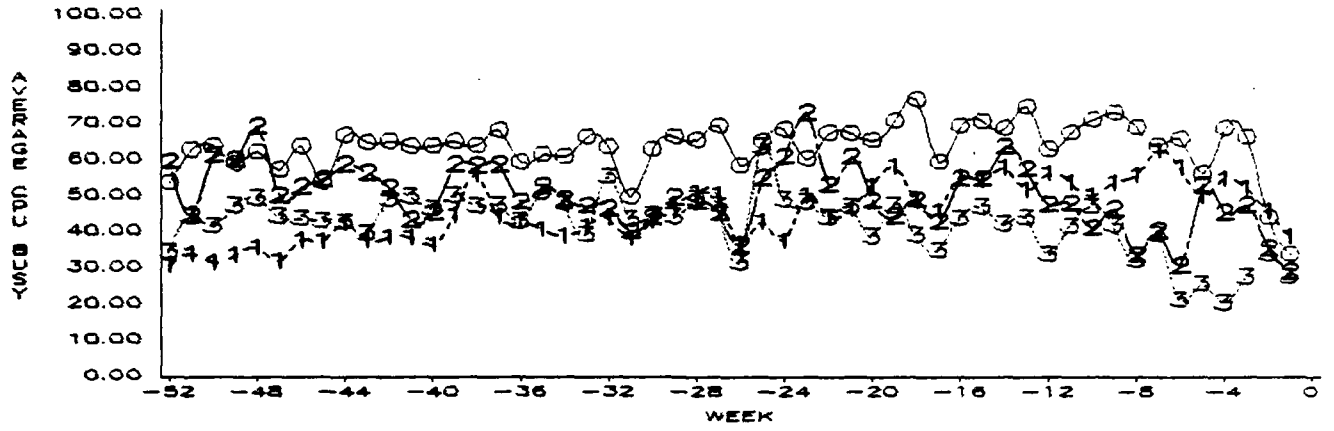
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

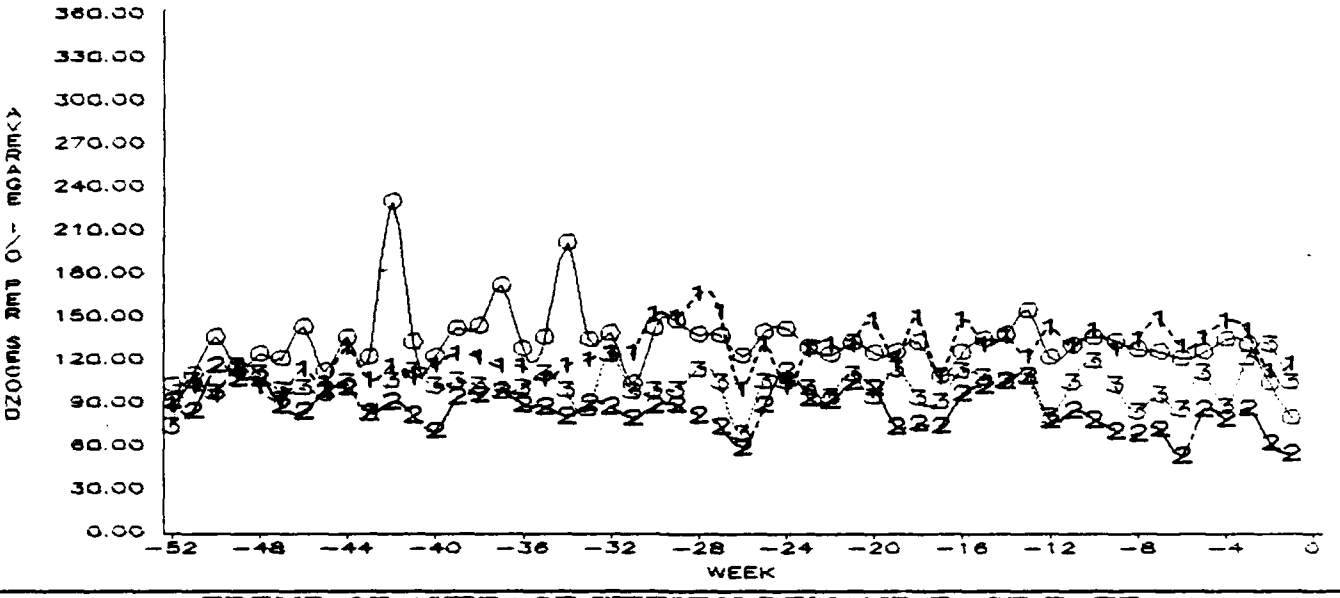
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1988
SITE=DPSC / DCASR - PHI

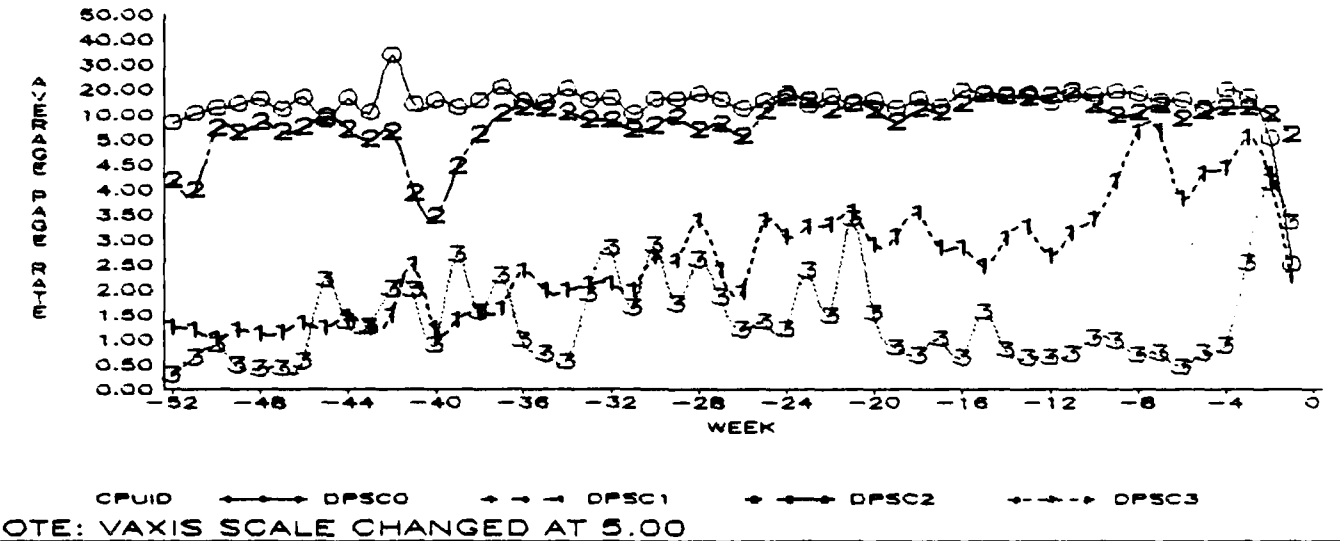


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



TREND OF AVERAGE WEEKLY DEMAND PAGE RATE

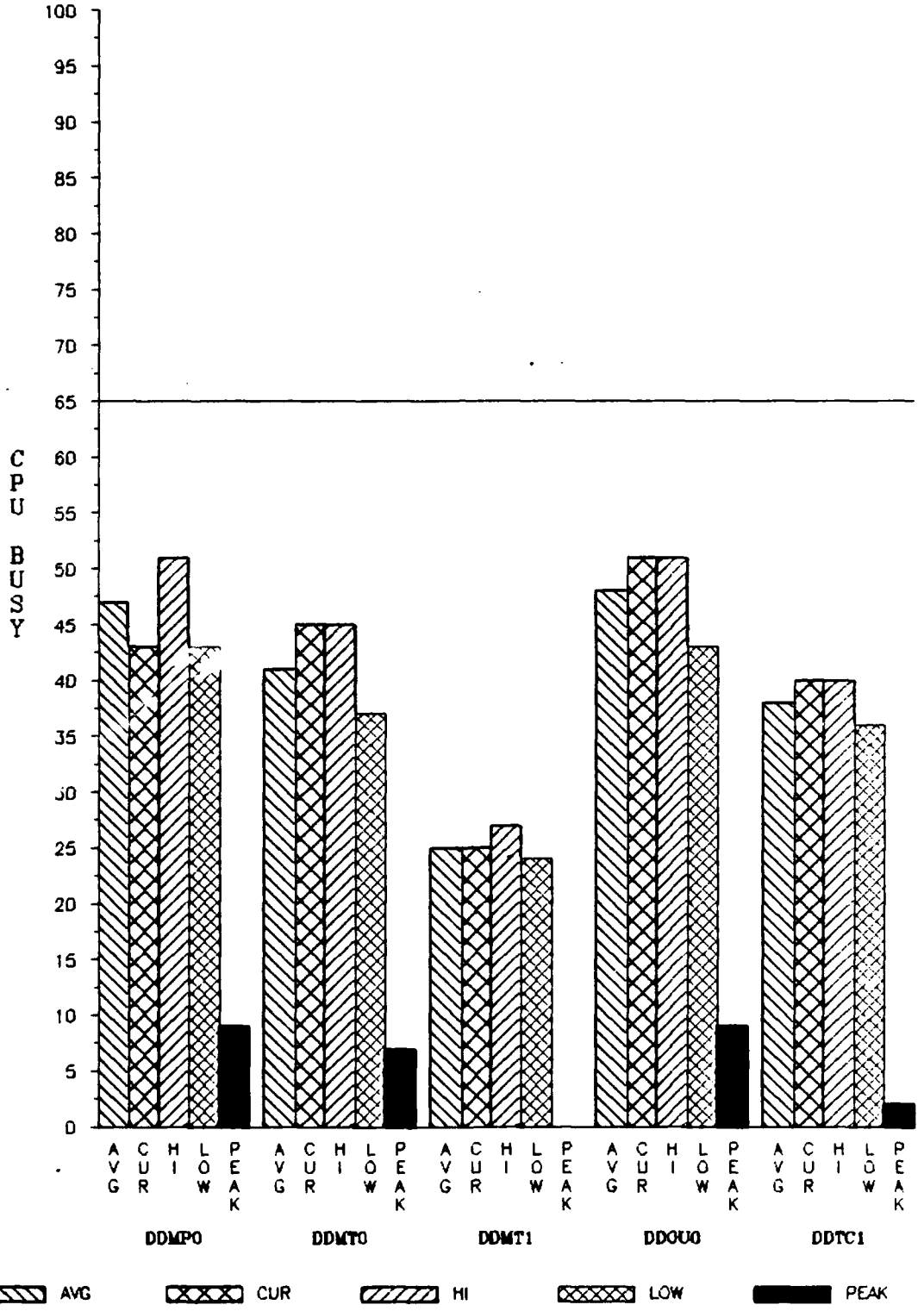


NOTE: VAXIS SCALE CHANGED AT 5.00

CHART OF CPU BUSY

YEAR ENDING DEC 89- BY QUARTERS

SITE=DEPOT VAR=CPU_BSY



AVG-CUR-HIGH-LOW-PEAK
QTR -QTR - QTR -QTR -HOUR

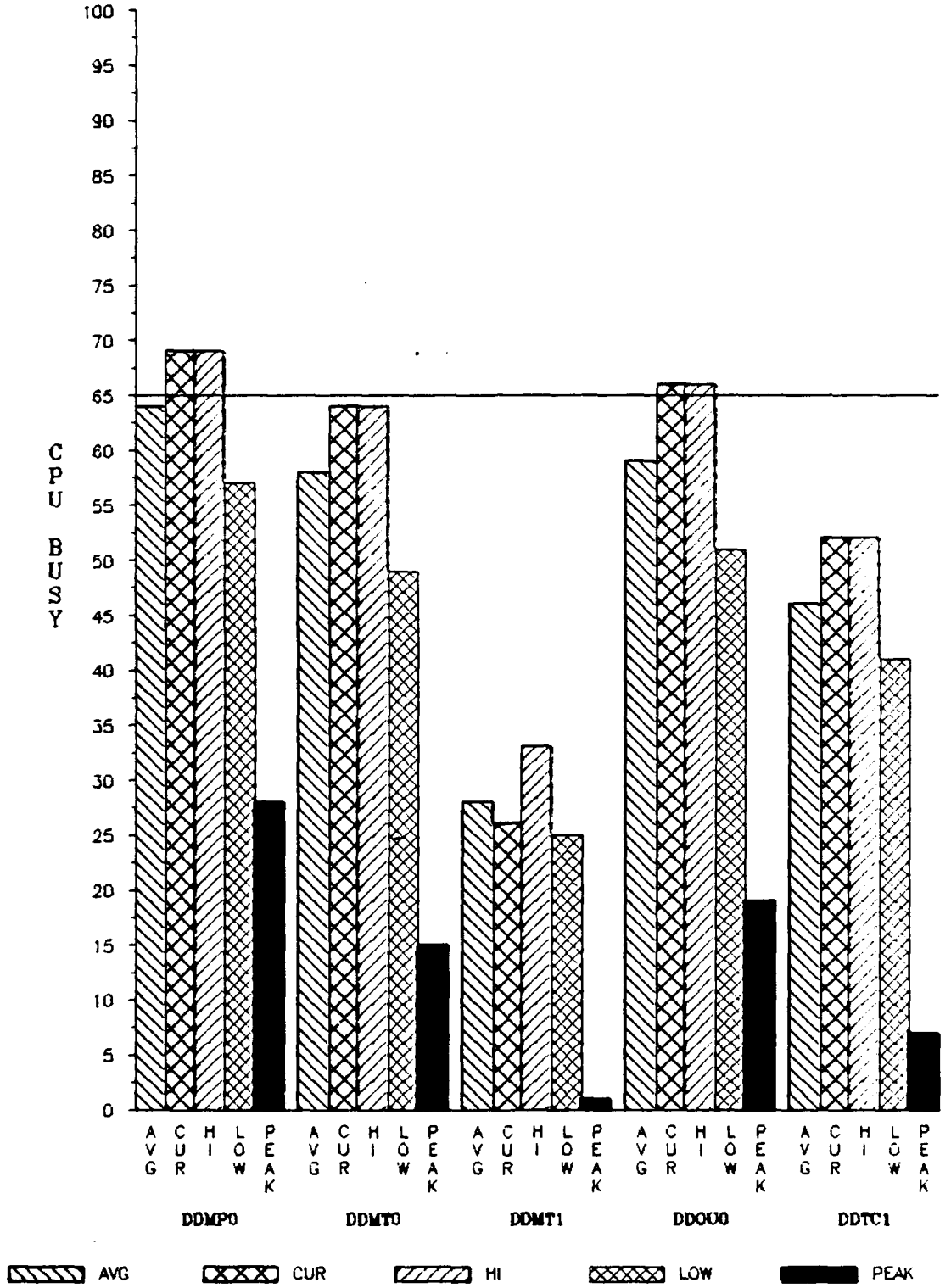
NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

CHART OF CPU BUSY

PRIME SHIFT MON – FRI

YEAR ENDING DEC 89– BY QUARTERS

SITE=DEPOT VAR=CPU_BSY

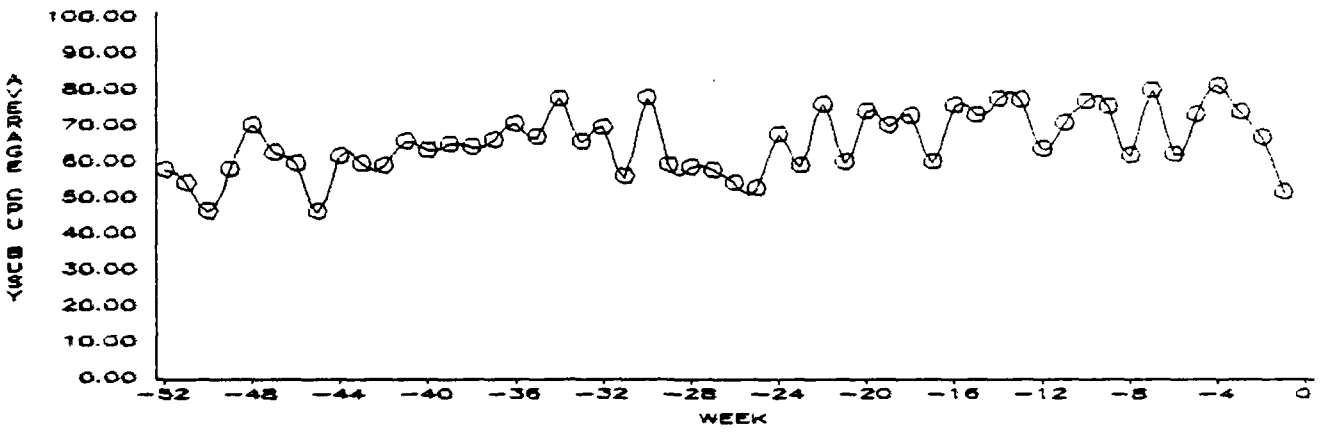


AVG–CUR–HIGH–LOW–PEAK
QTR –QTR – QTR –QTR –HOUR

NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

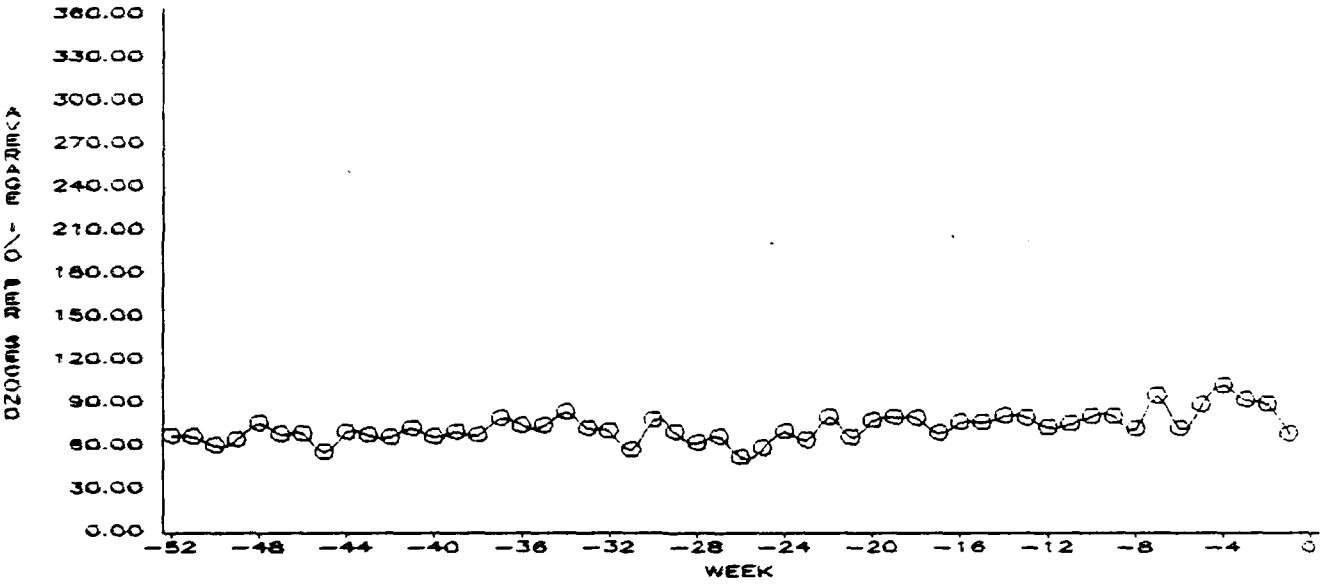
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D D M P

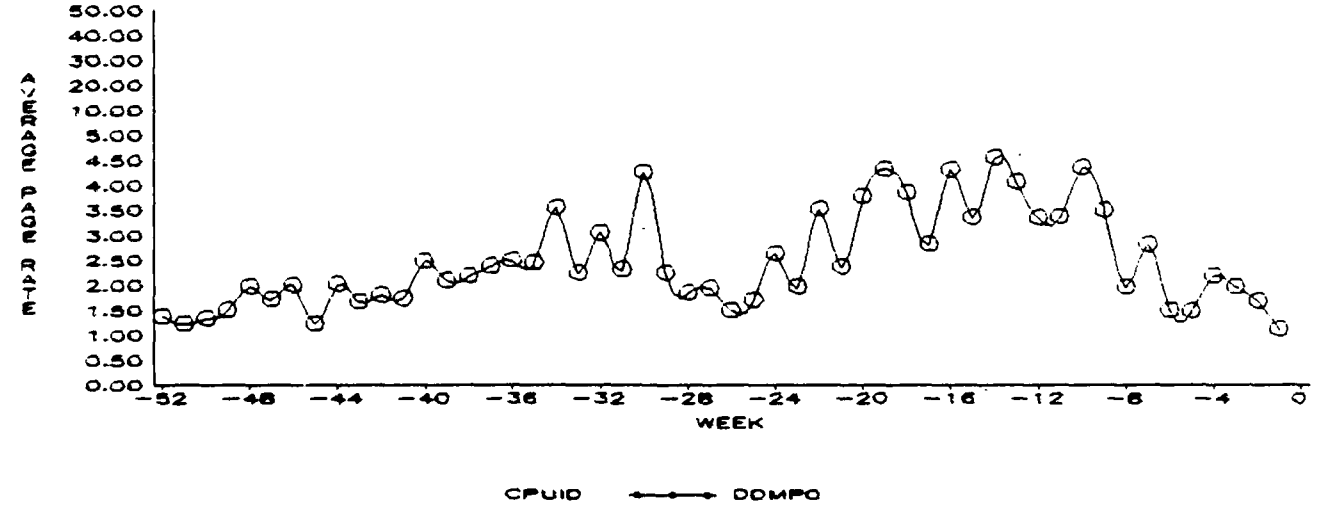


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



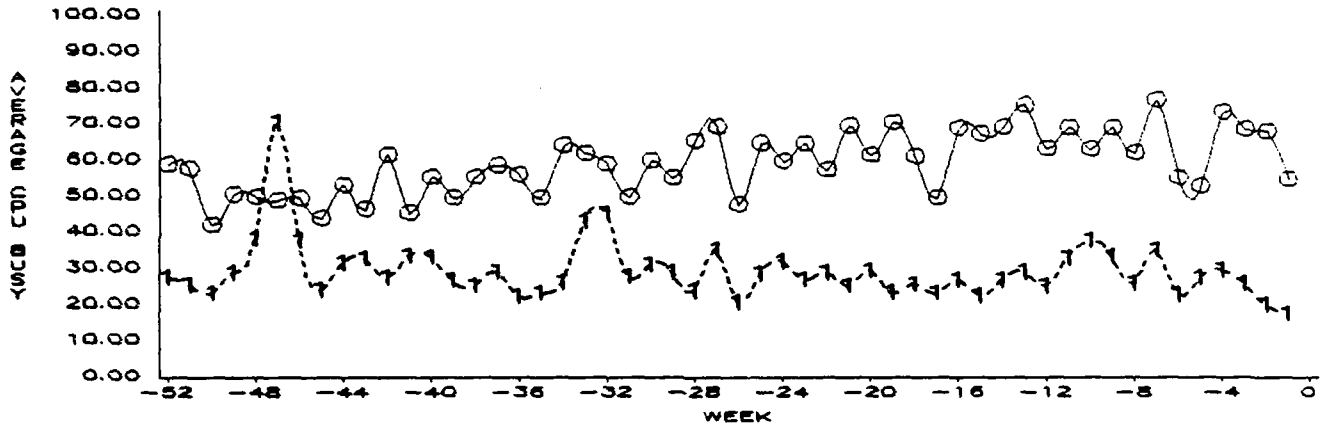
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

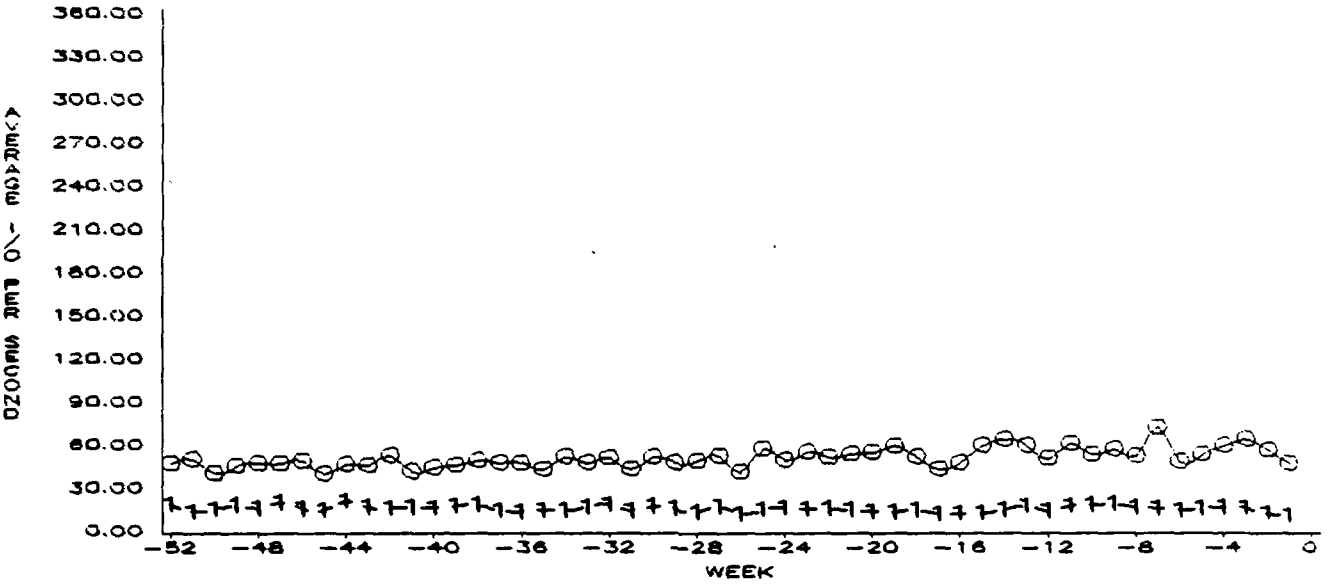
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D D M T

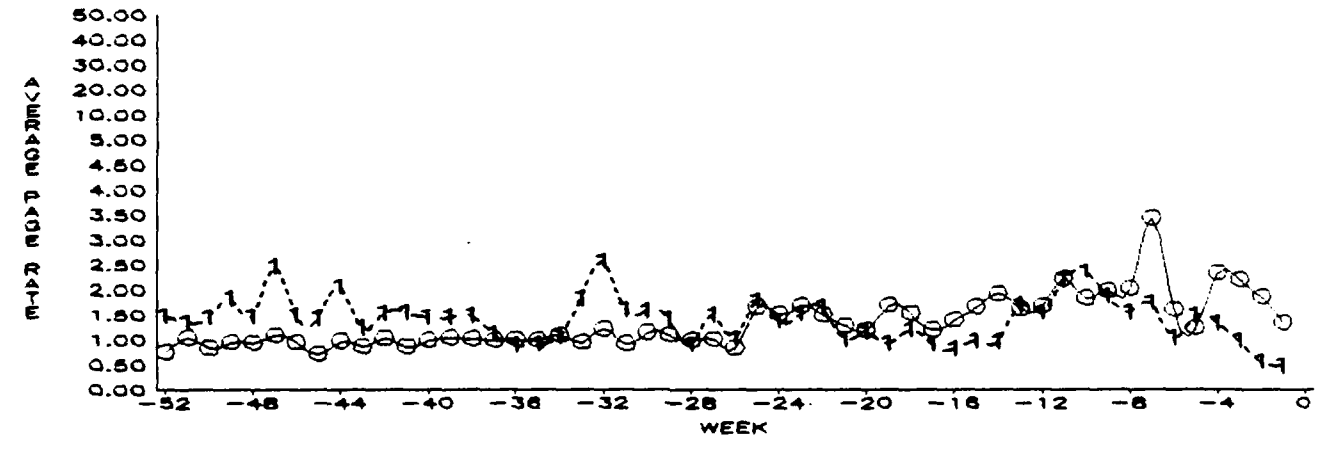


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



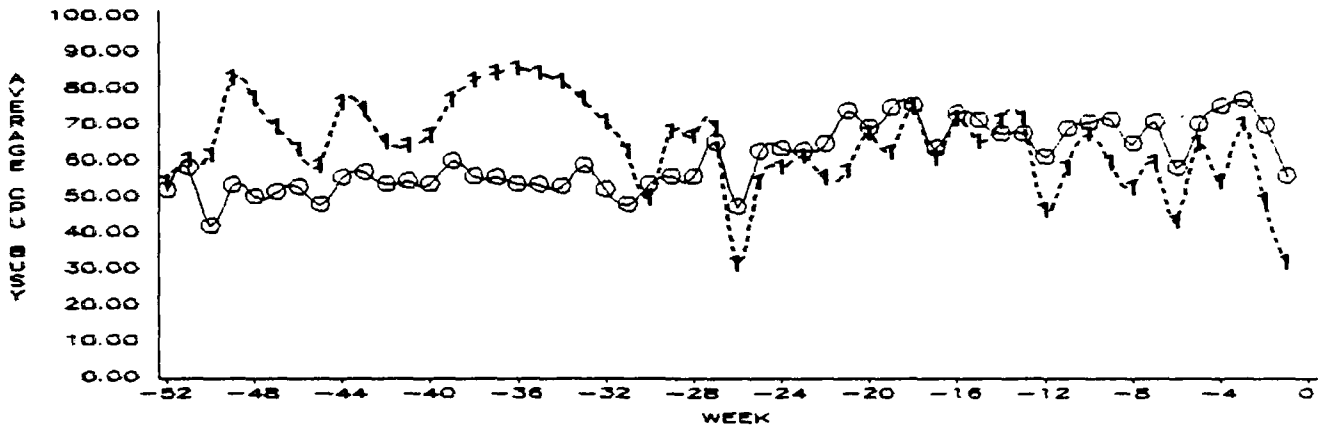
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

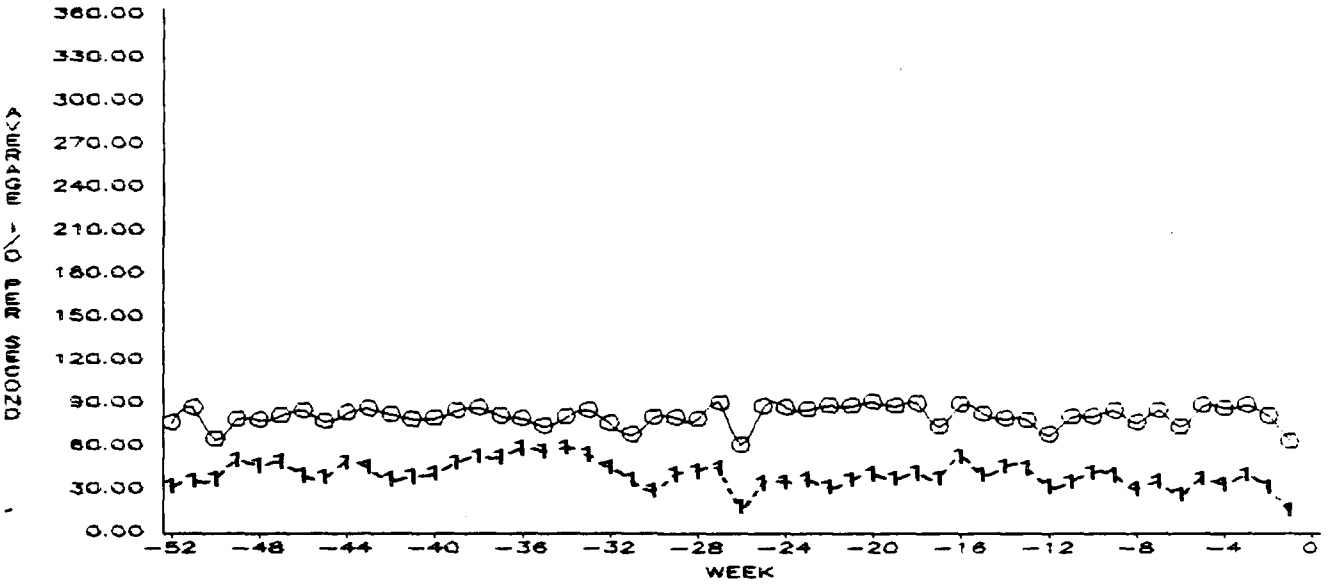
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1988
SITE=D D O U

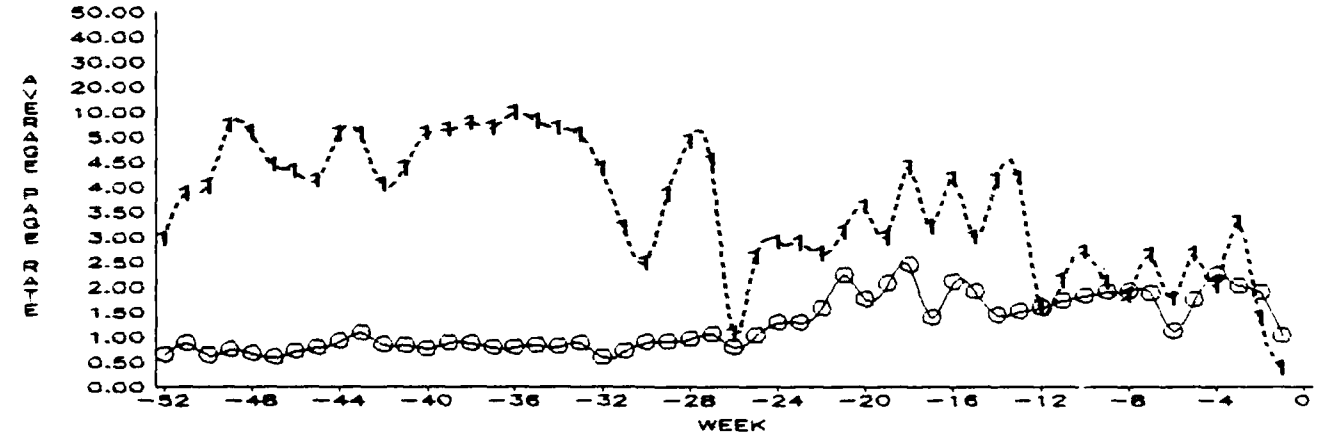


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



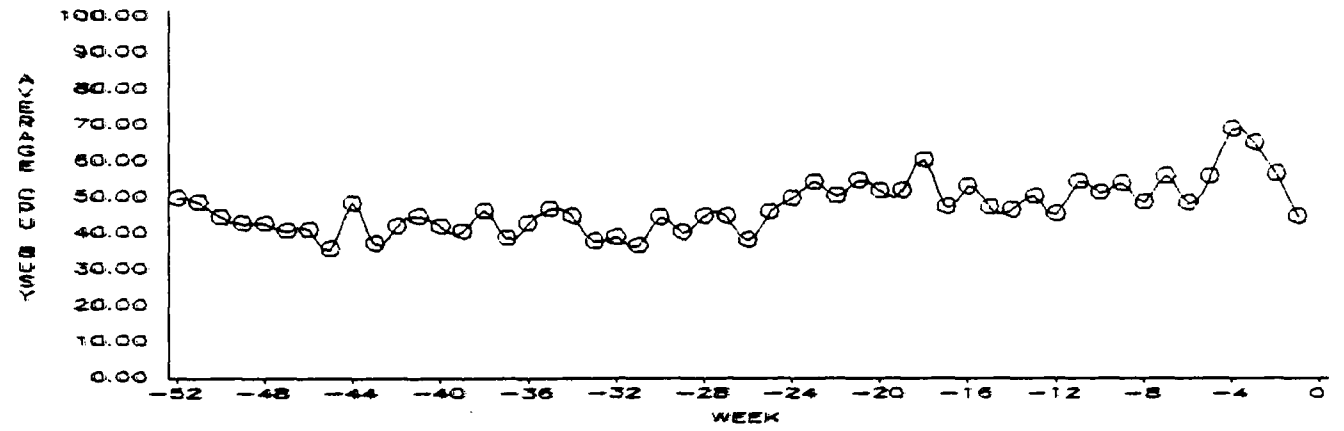
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

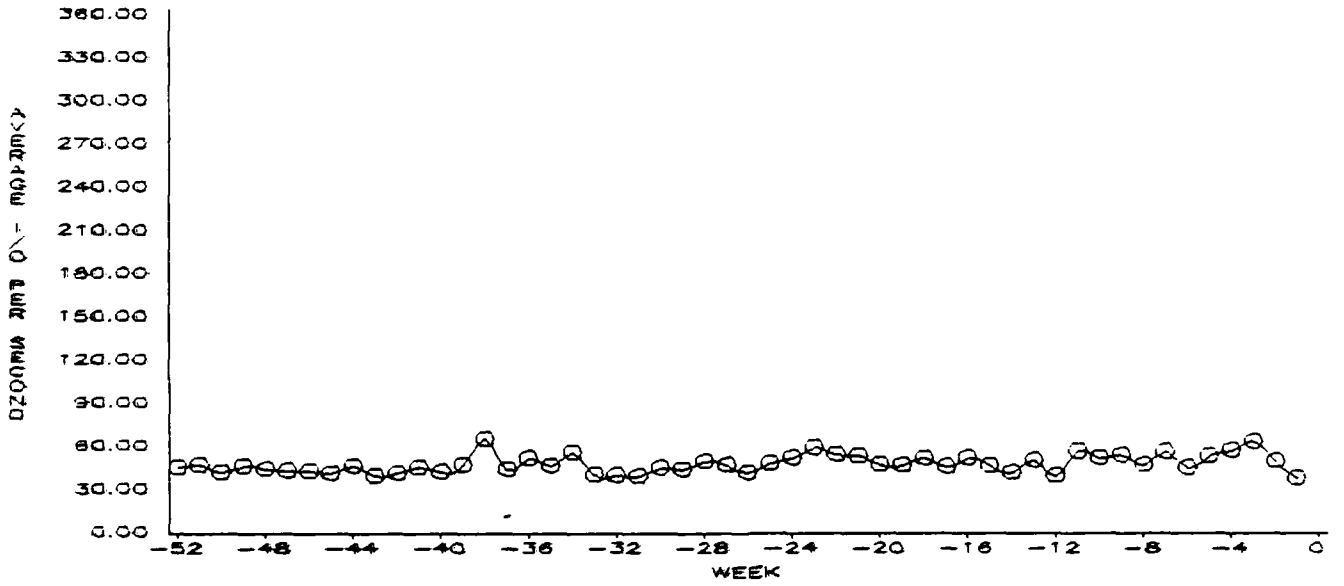
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1985
SITE=D D T C

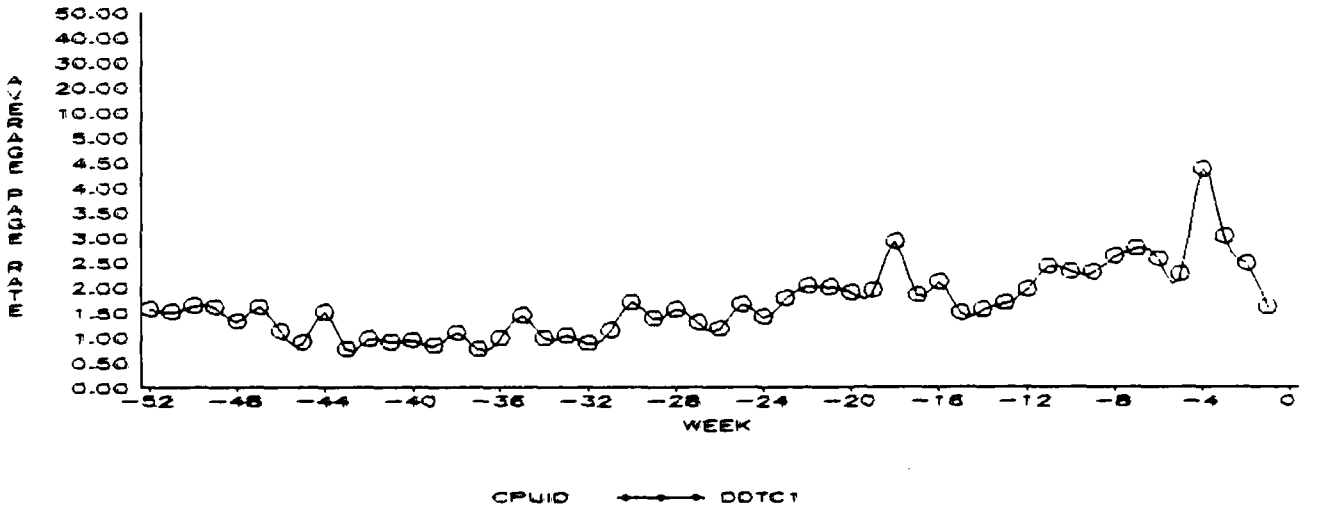


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



TREND OF AVERAGE WEEKLY DEMAND PAGE RATE

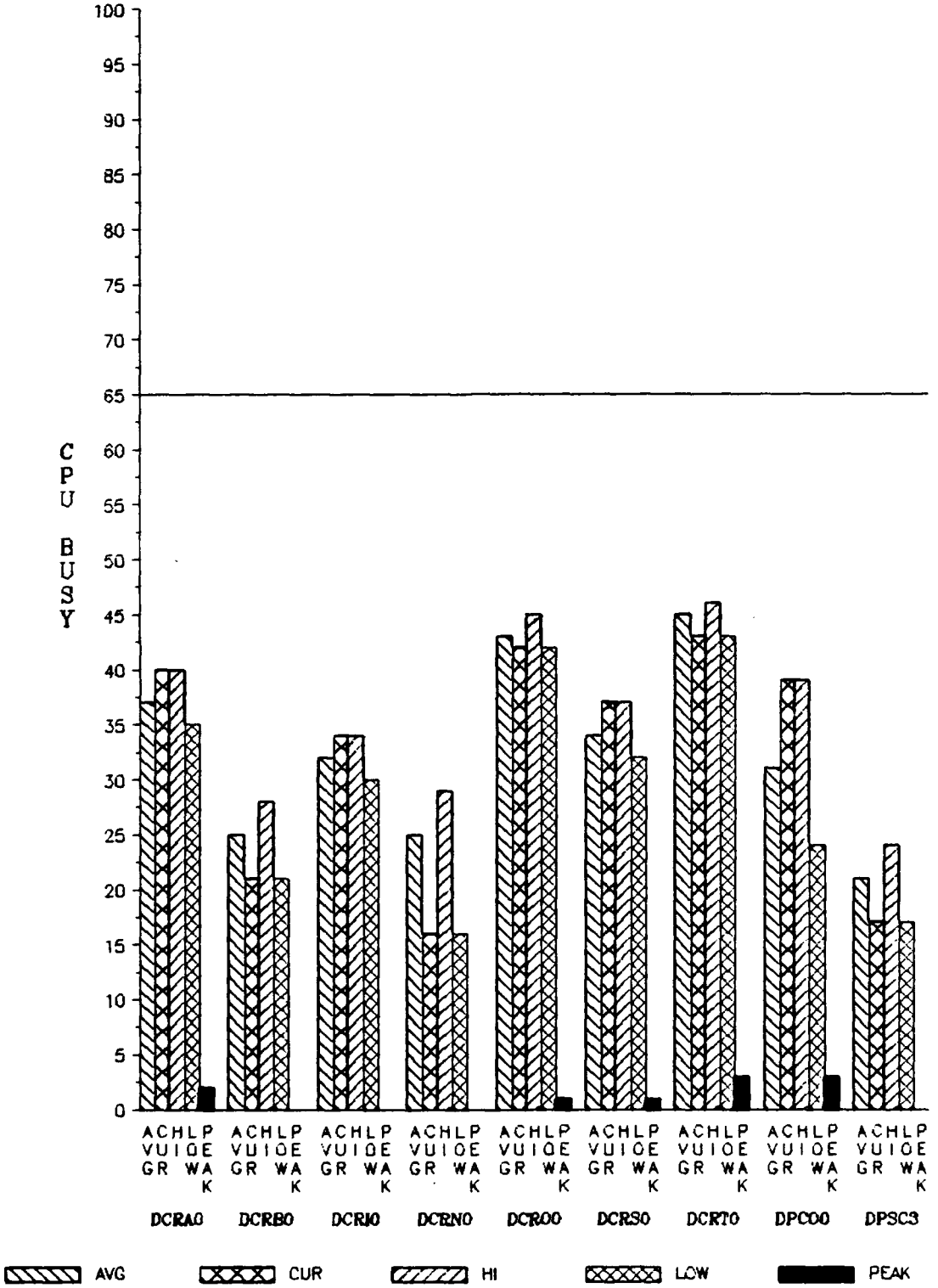


NOTE: VAXIS SCALE CHANGED AT 5.00

CHART OF CPU BUSY

YEAR ENDING DEC 89– BY QUARTERS

SITE=DCASR VAR=CPU_BSY



AVG–CUR–HIGH–LOW–PEAK
QTR –QTR – QTR –QTR –HOUR

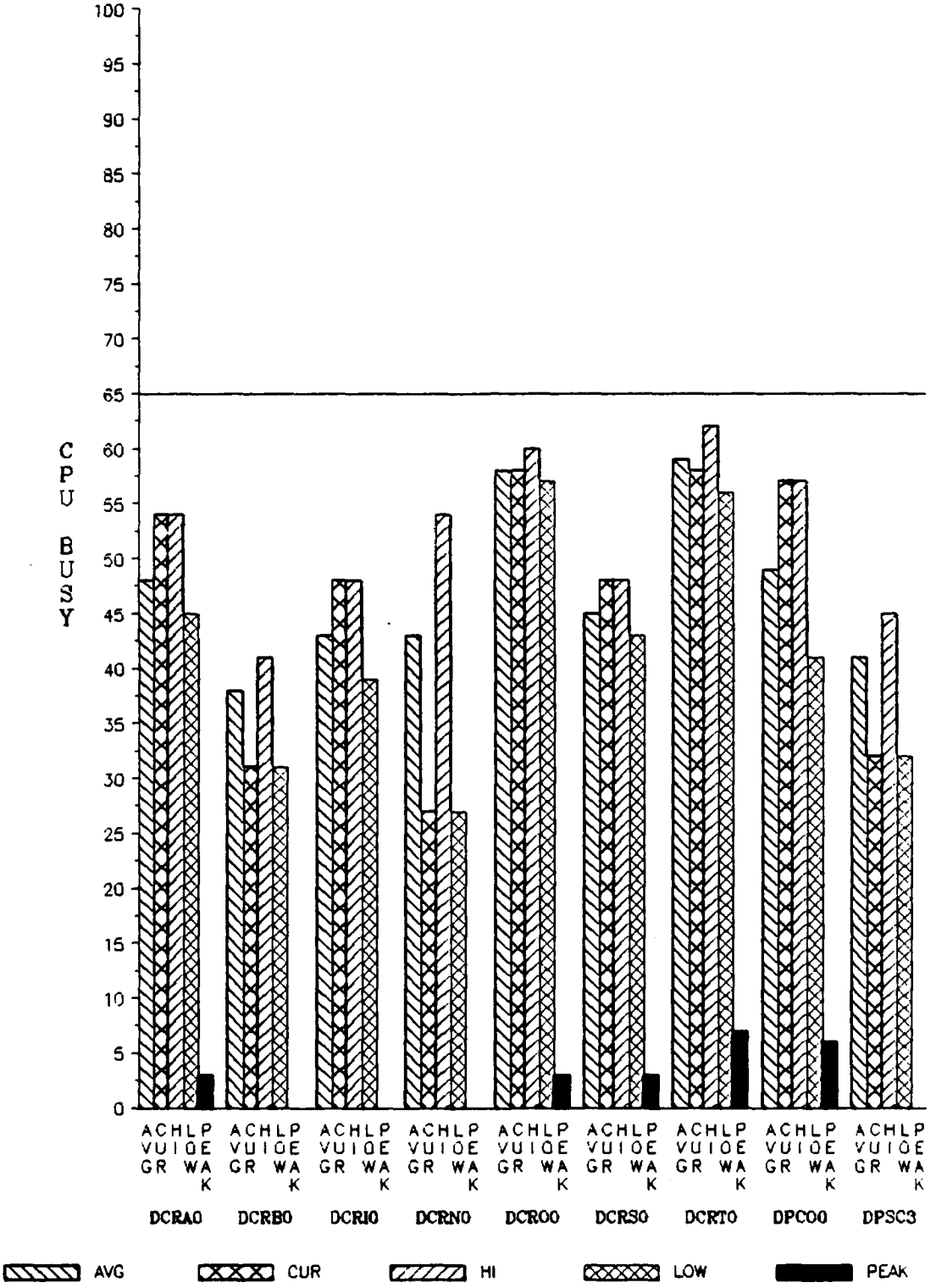
NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

CHART OF CPU BUSY

PRIME SHIFT MON – FRI

YEAR ENDING DEC 89– BY QUARTERS

SITE=DCASR VAR=CPU_BSY

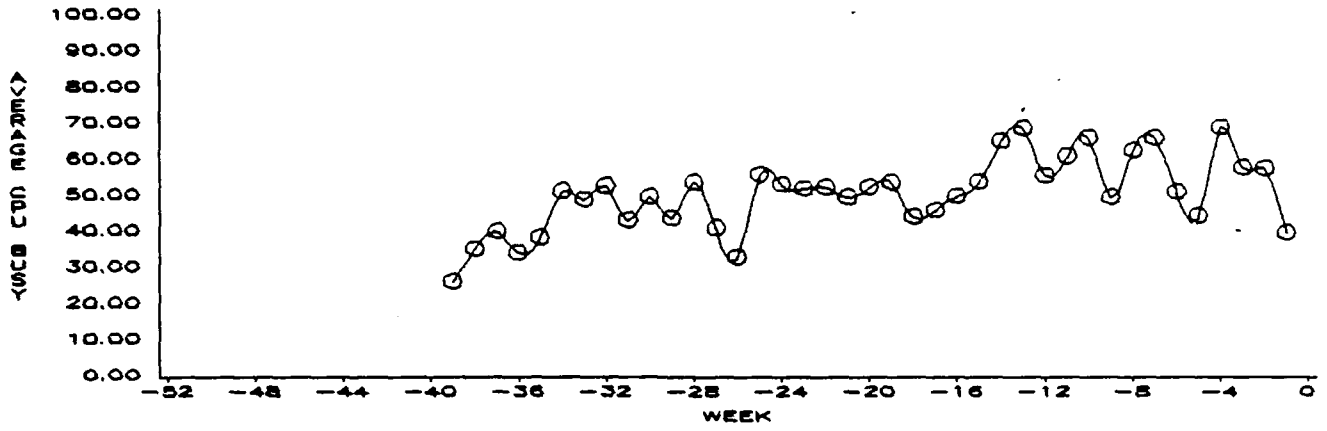


AVG–CUR–HIGH–LOW–PEAK
QTR –QTR – QTR –QTR –HOUR

NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

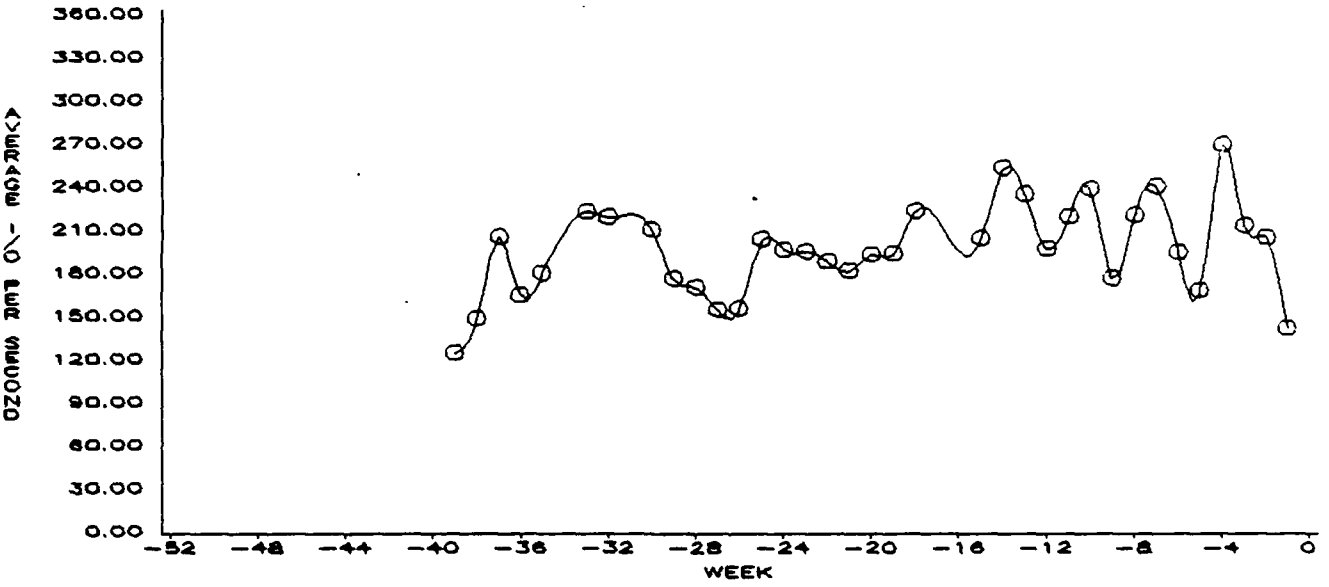
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1988
SITE=D A I P C

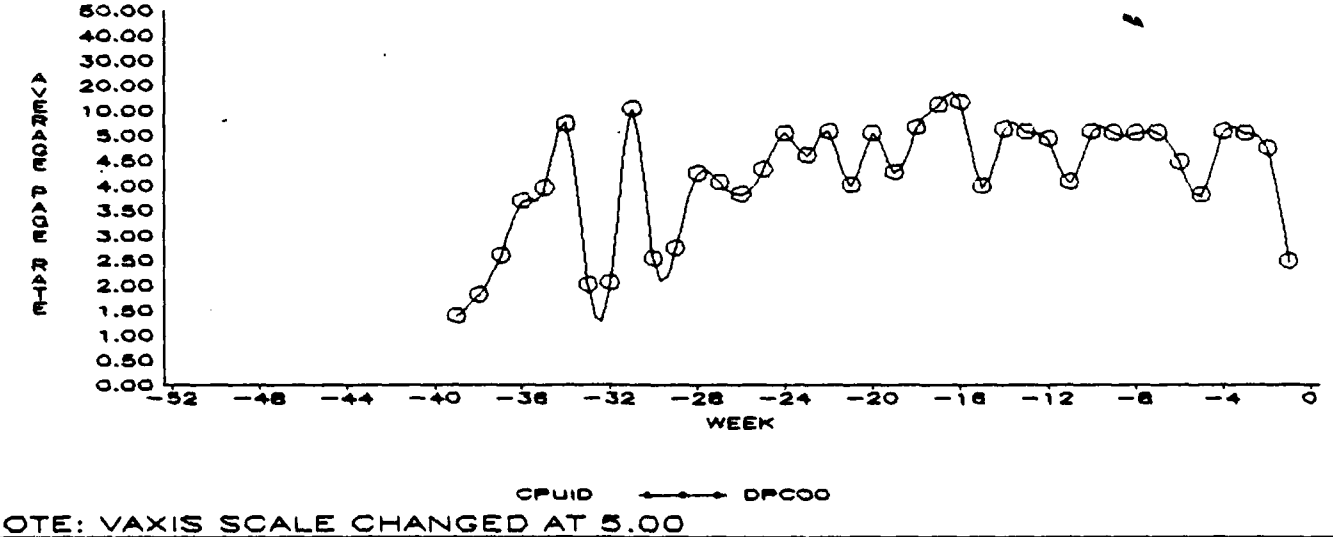


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



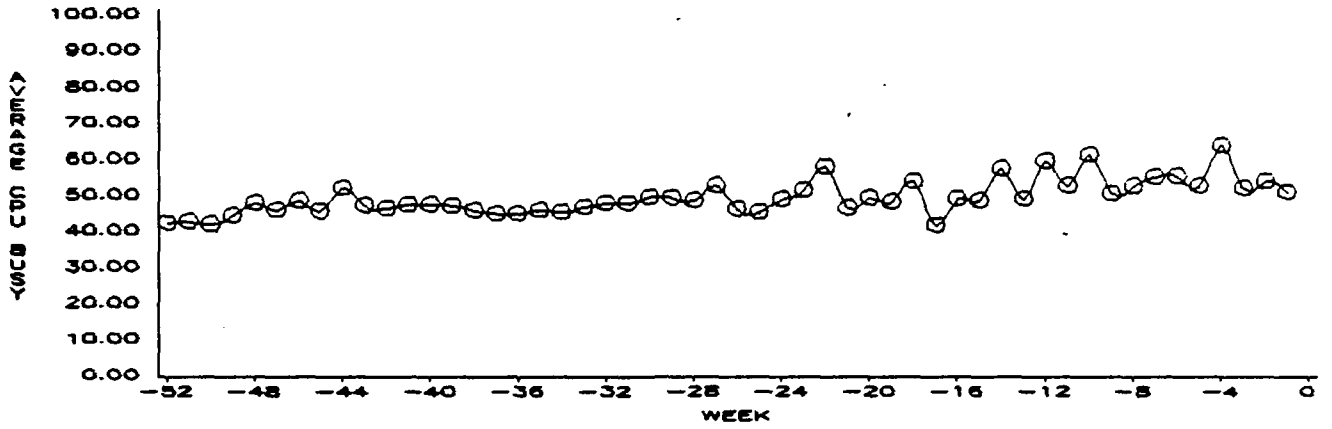
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

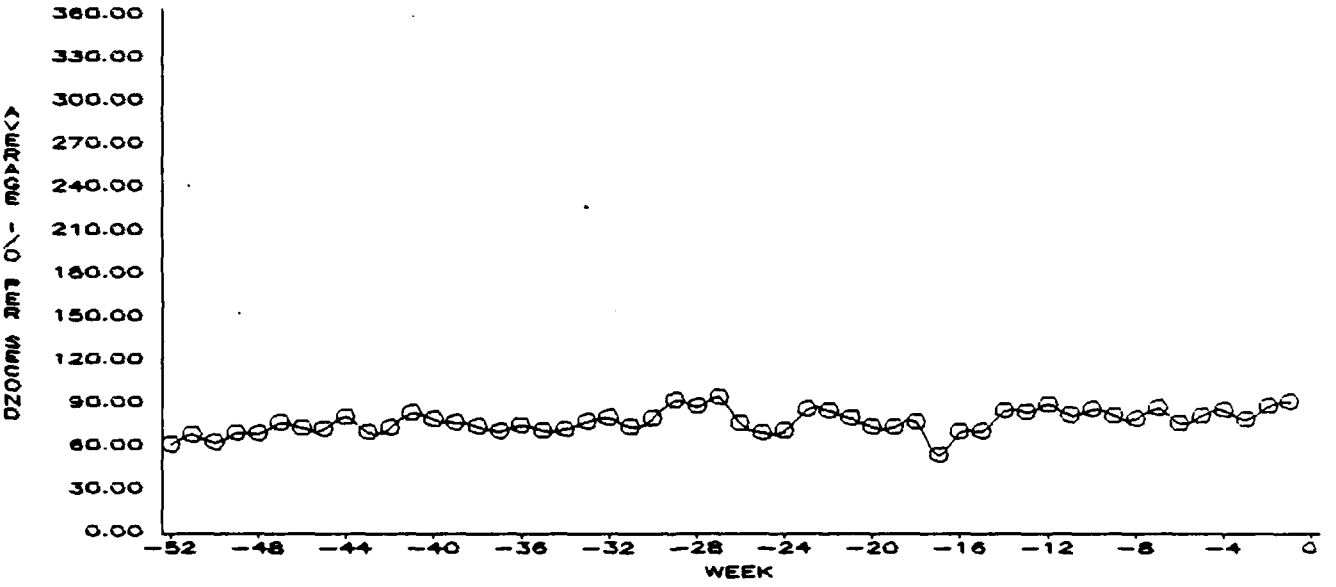
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R – A T L

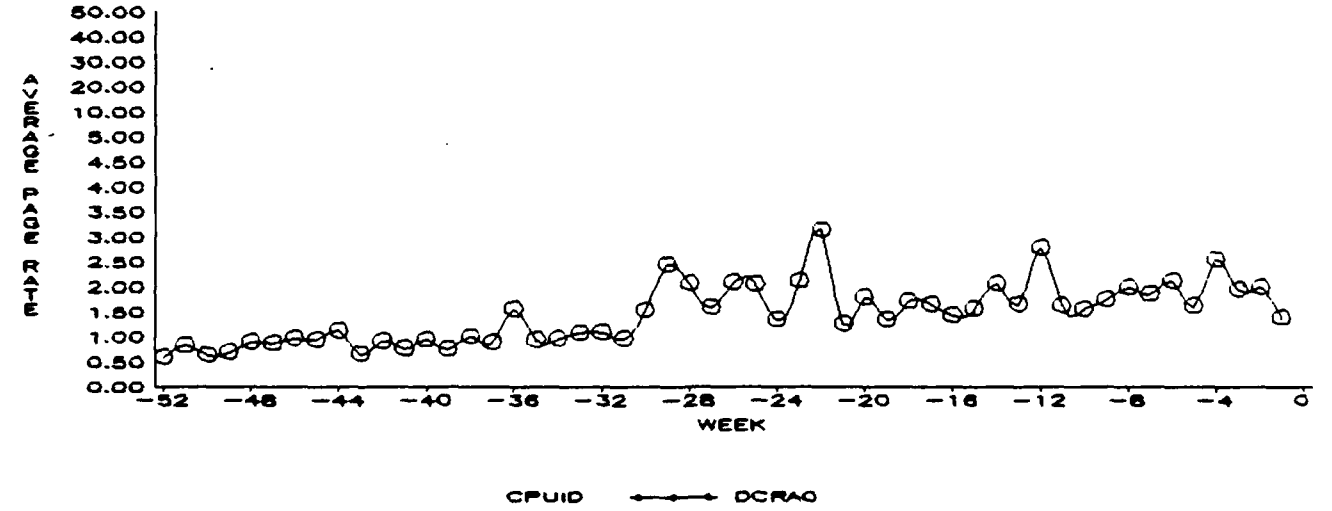


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



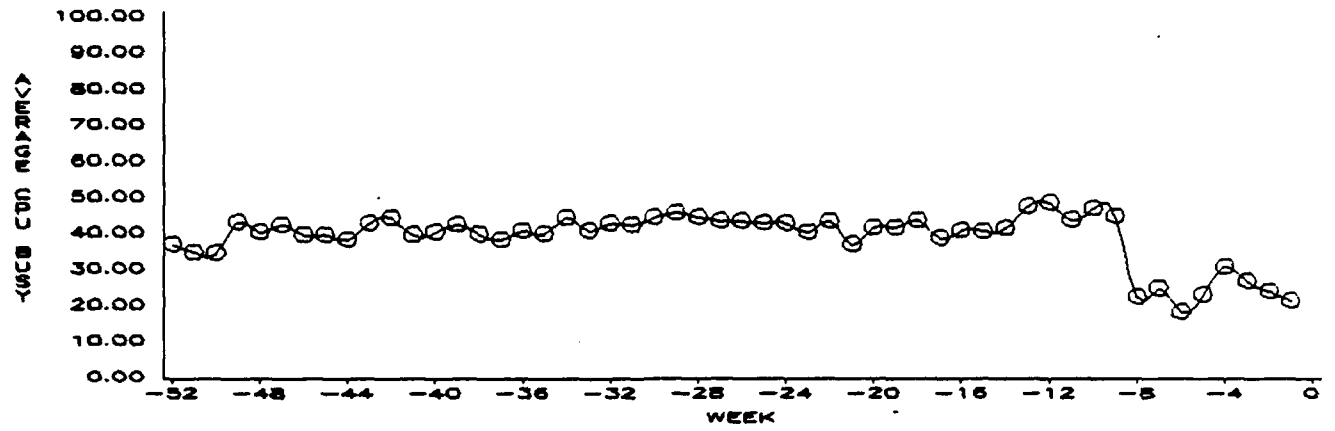
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

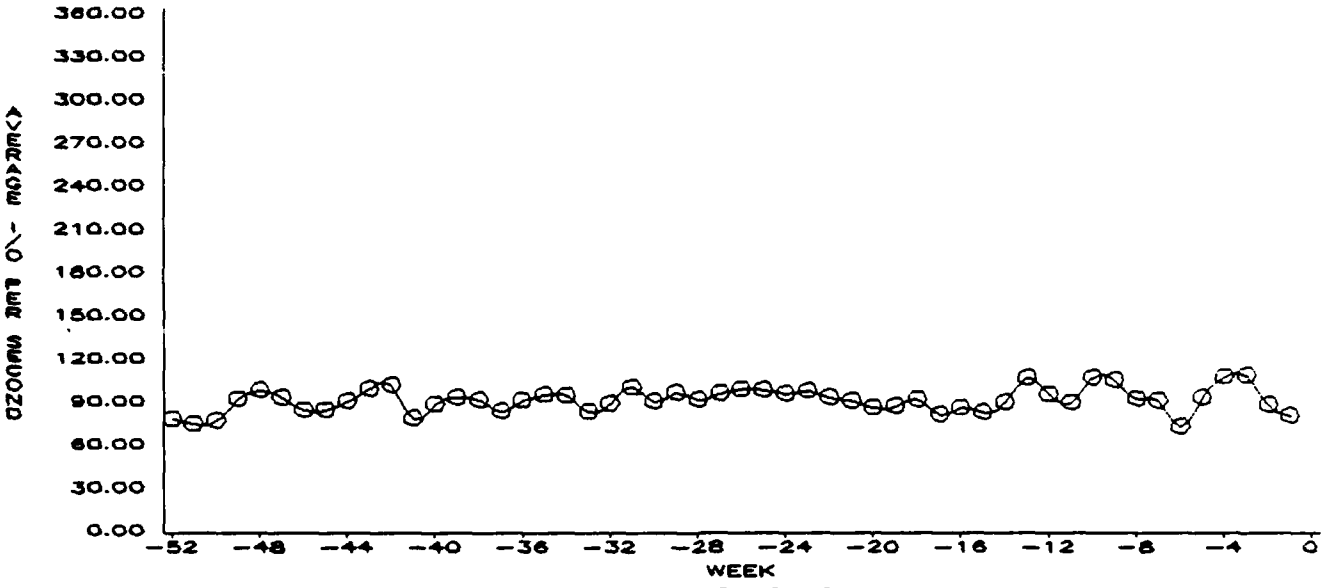
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R – B O S

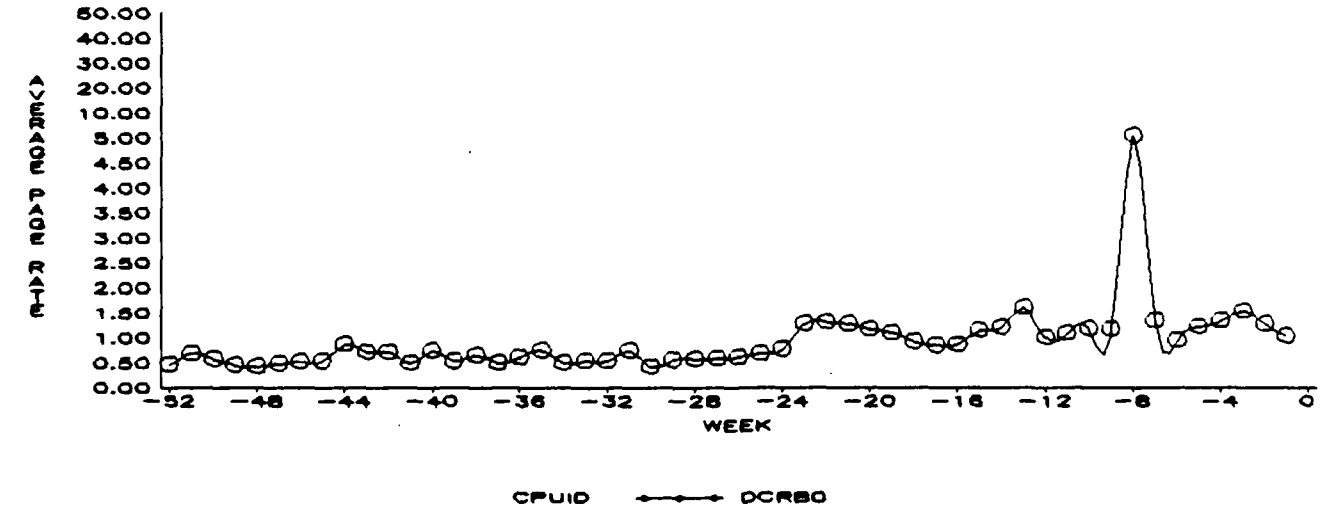


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



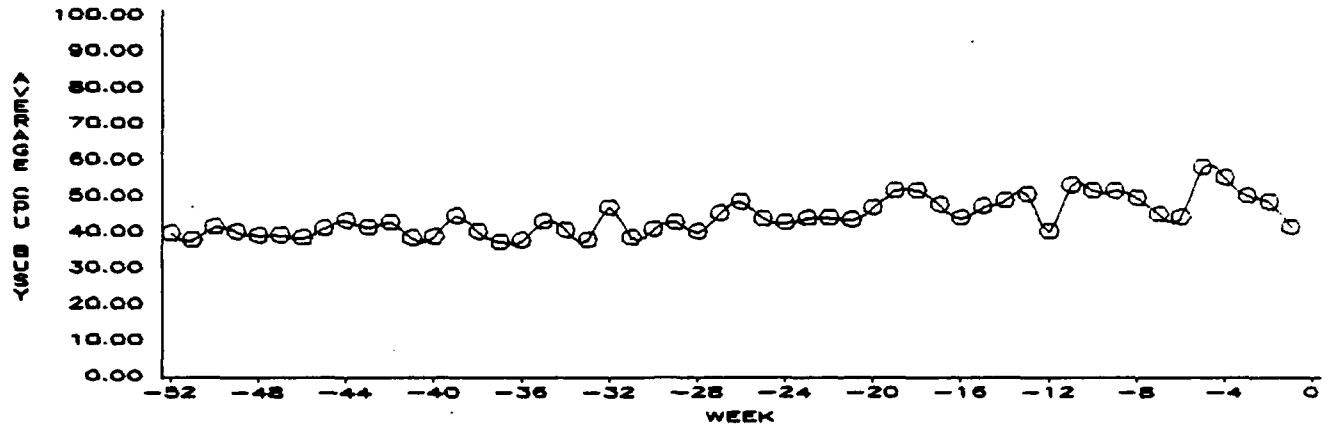
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

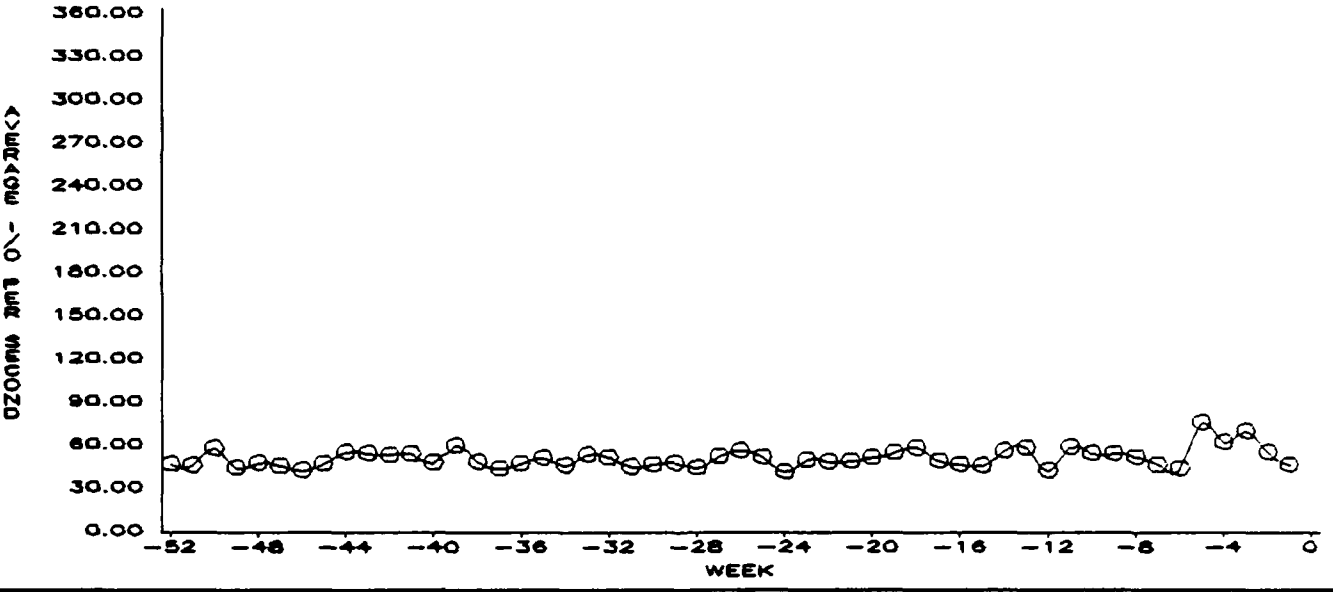
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R – C H I

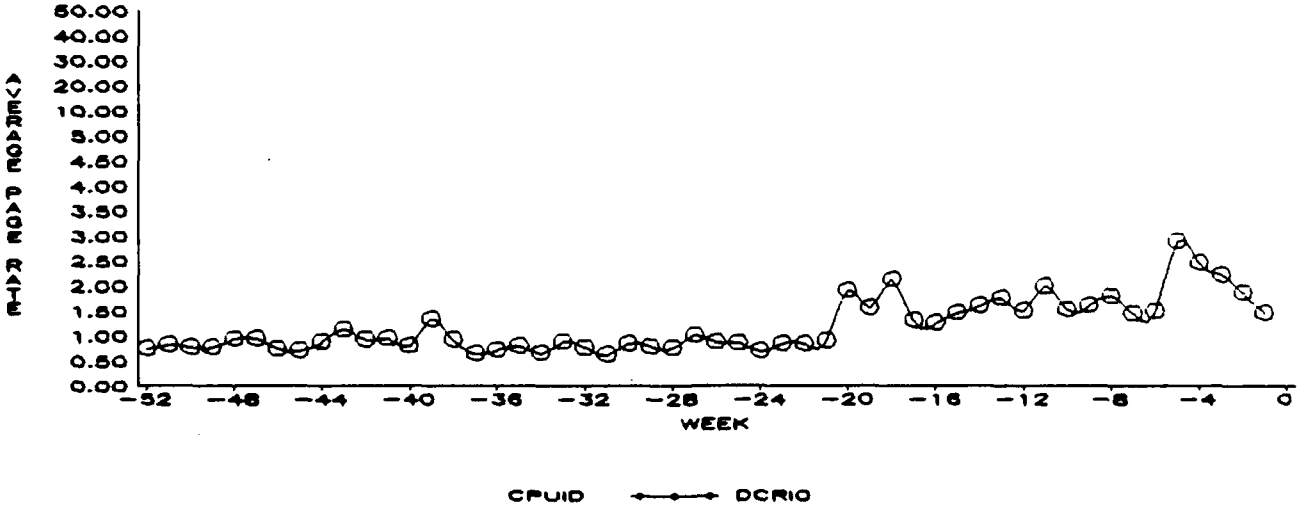


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



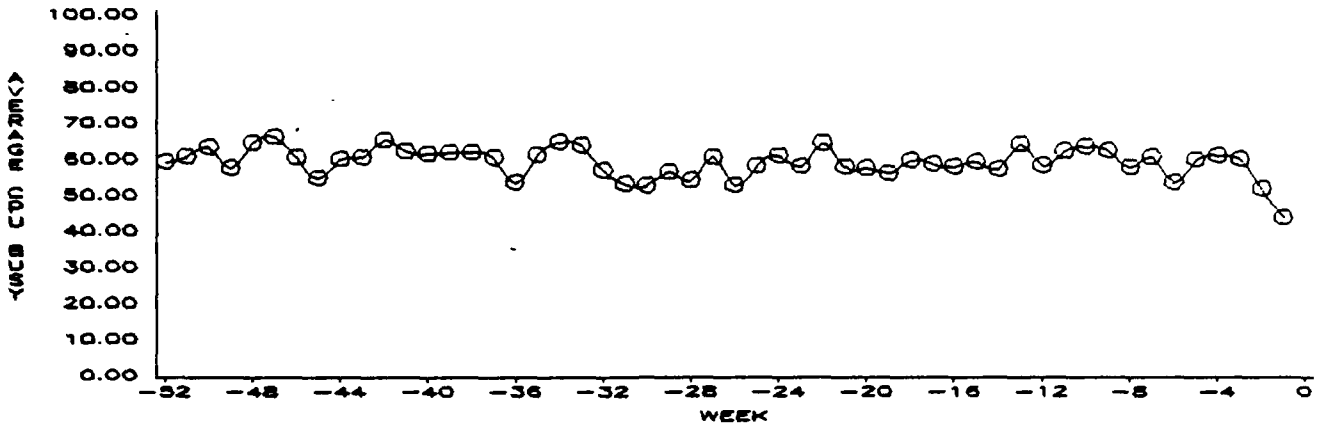
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

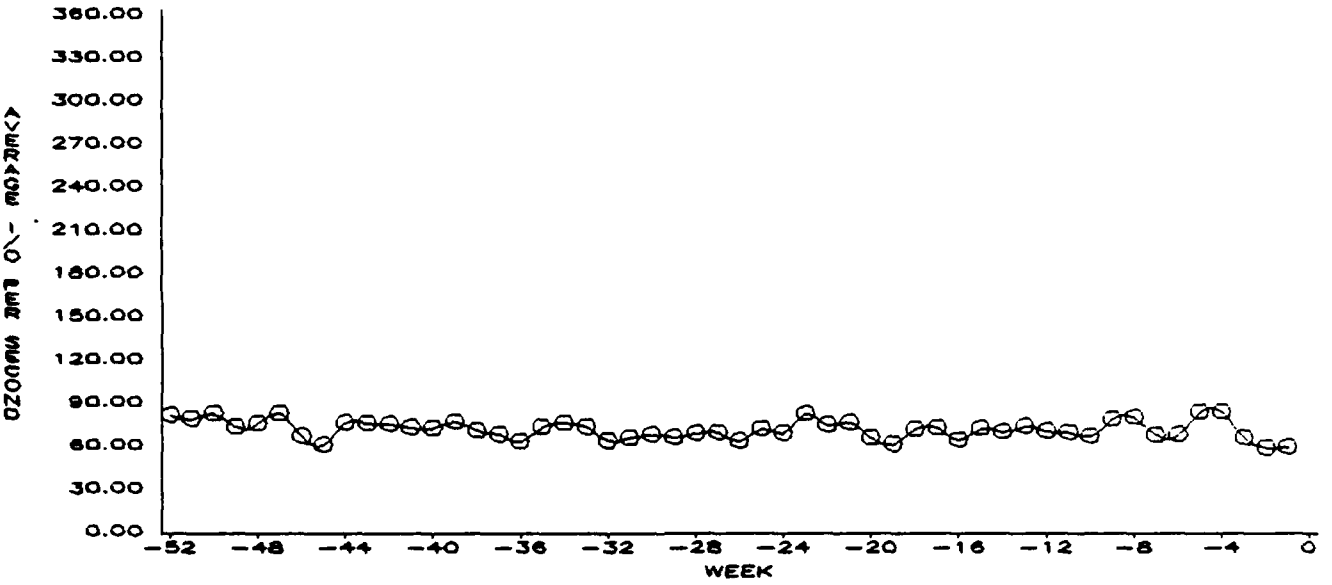
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R — C L E

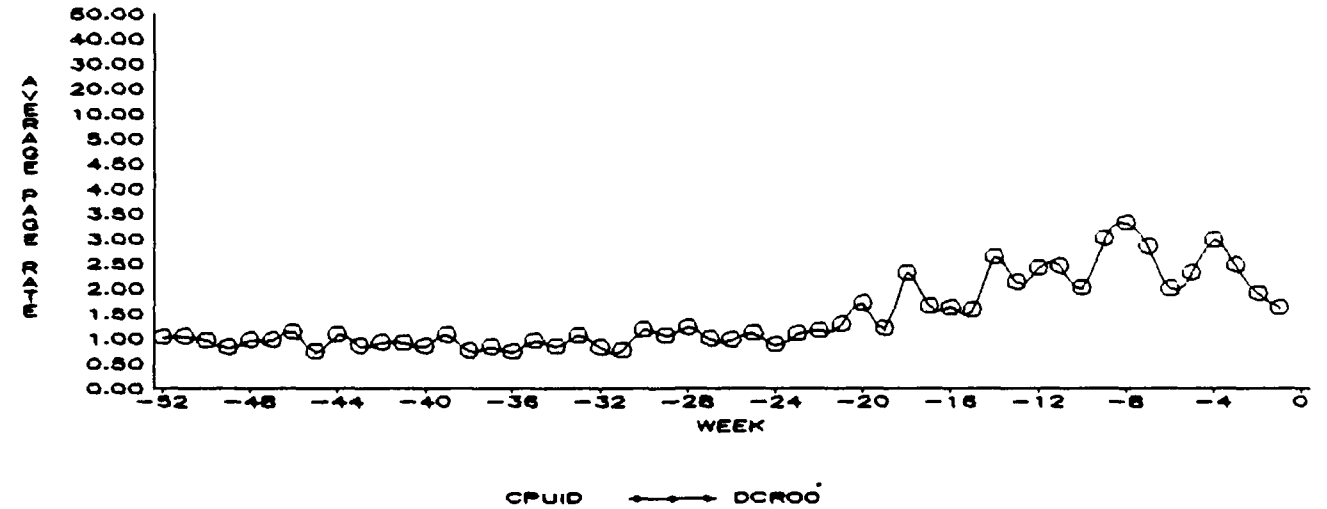


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



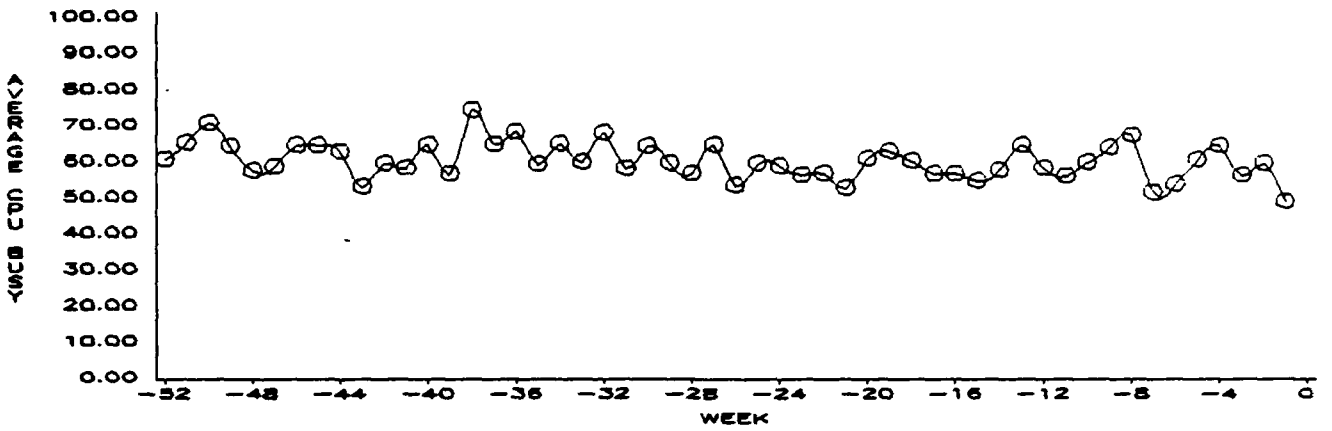
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

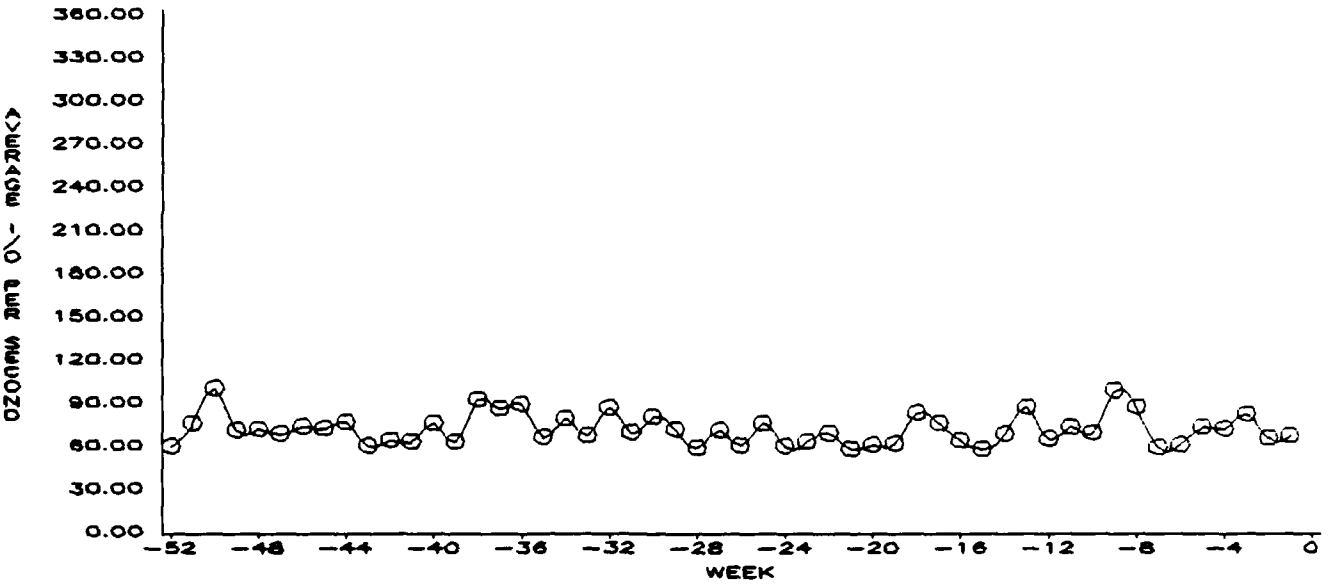
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R – D A L

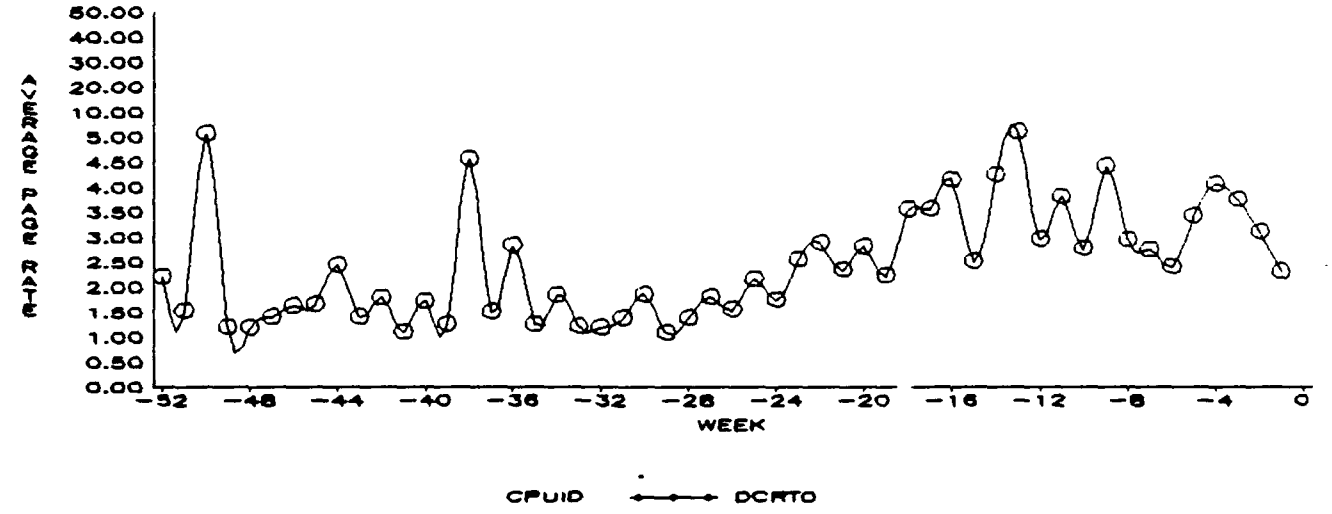


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



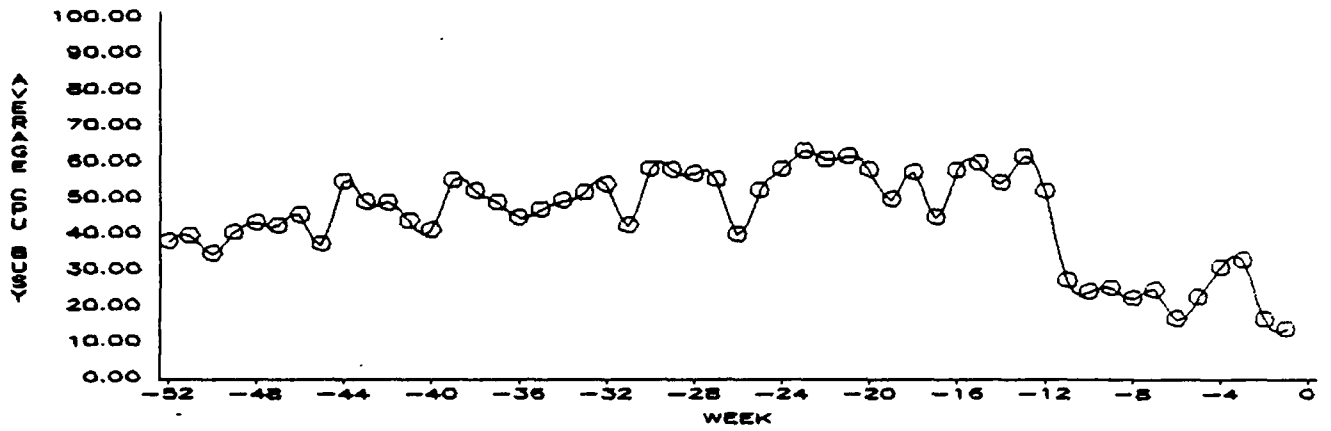
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

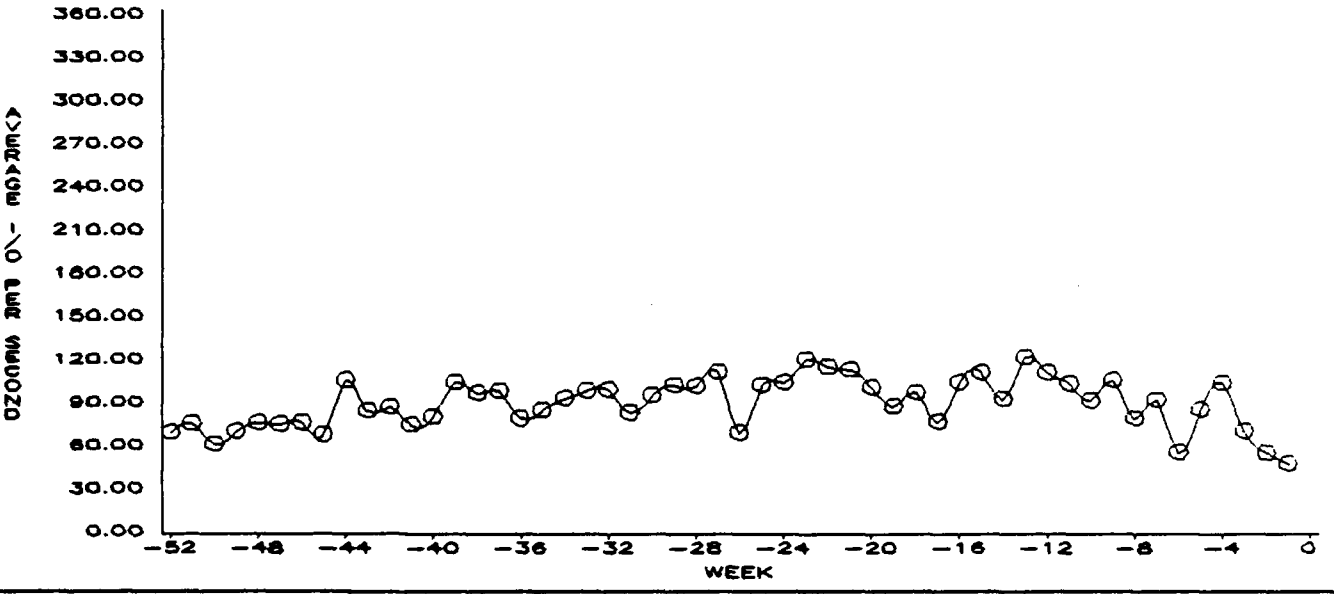
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R – N Y

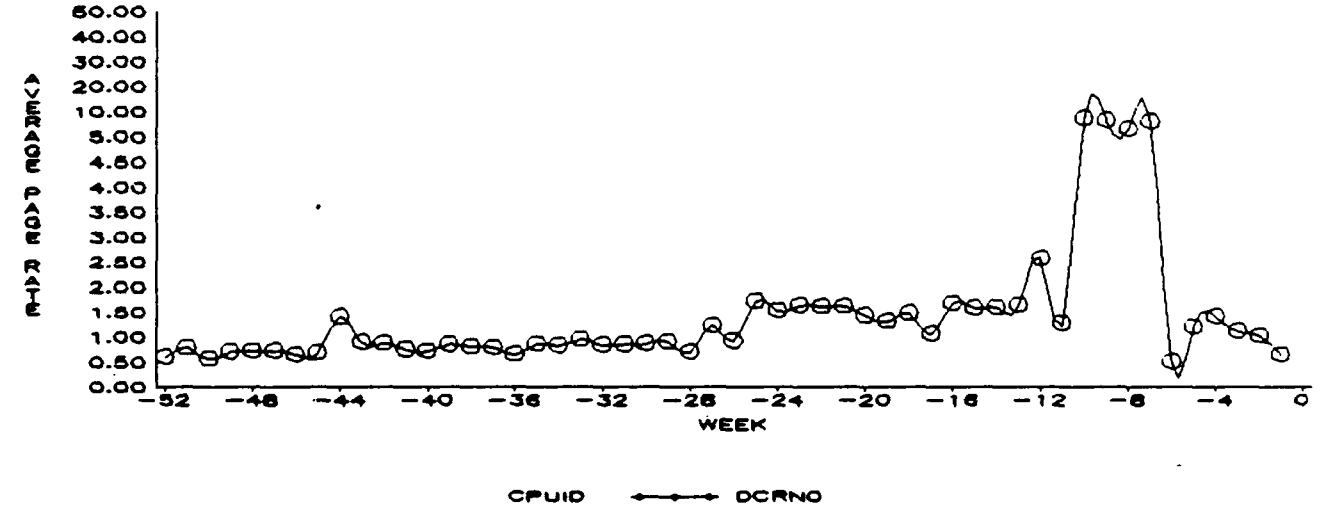


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



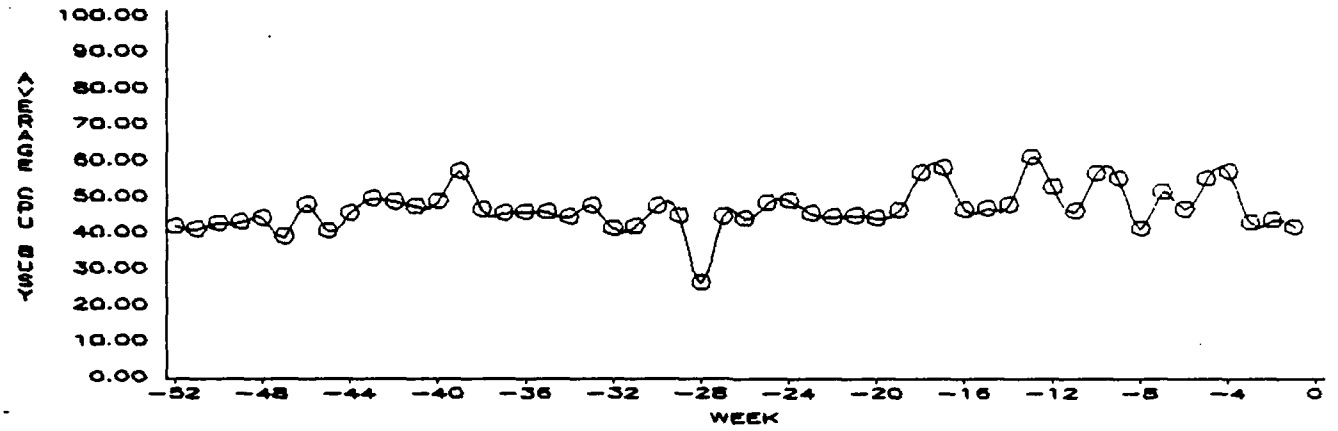
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

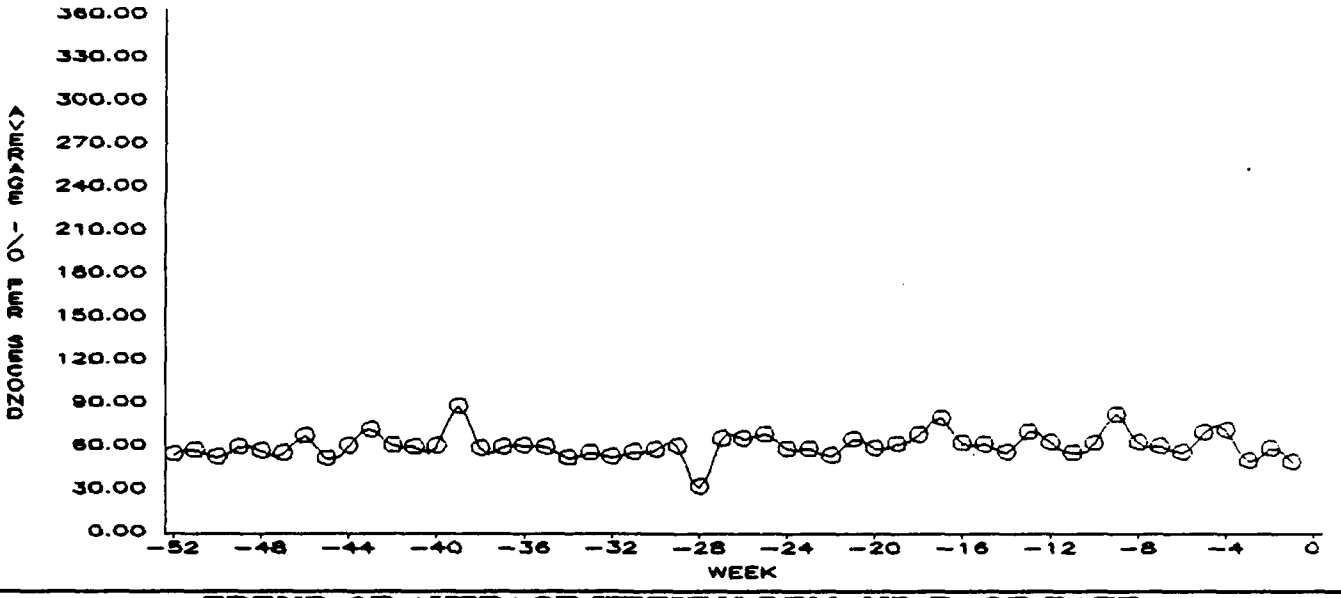
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D C A S R – S T L

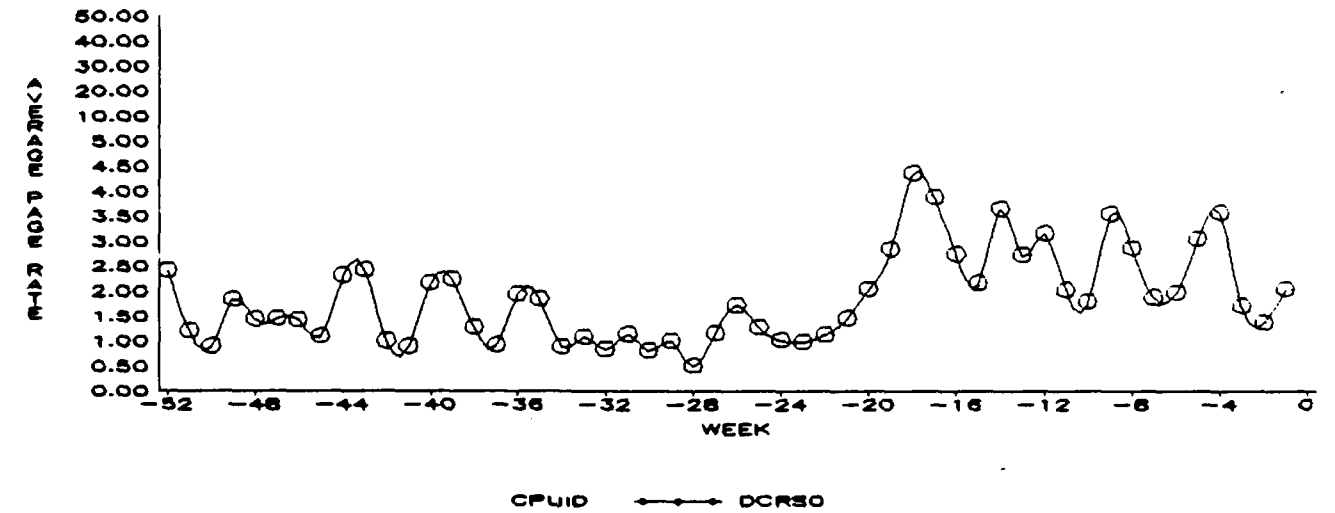


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



TREND OF AVERAGE WEEKLY DEMAND PAGE RATE

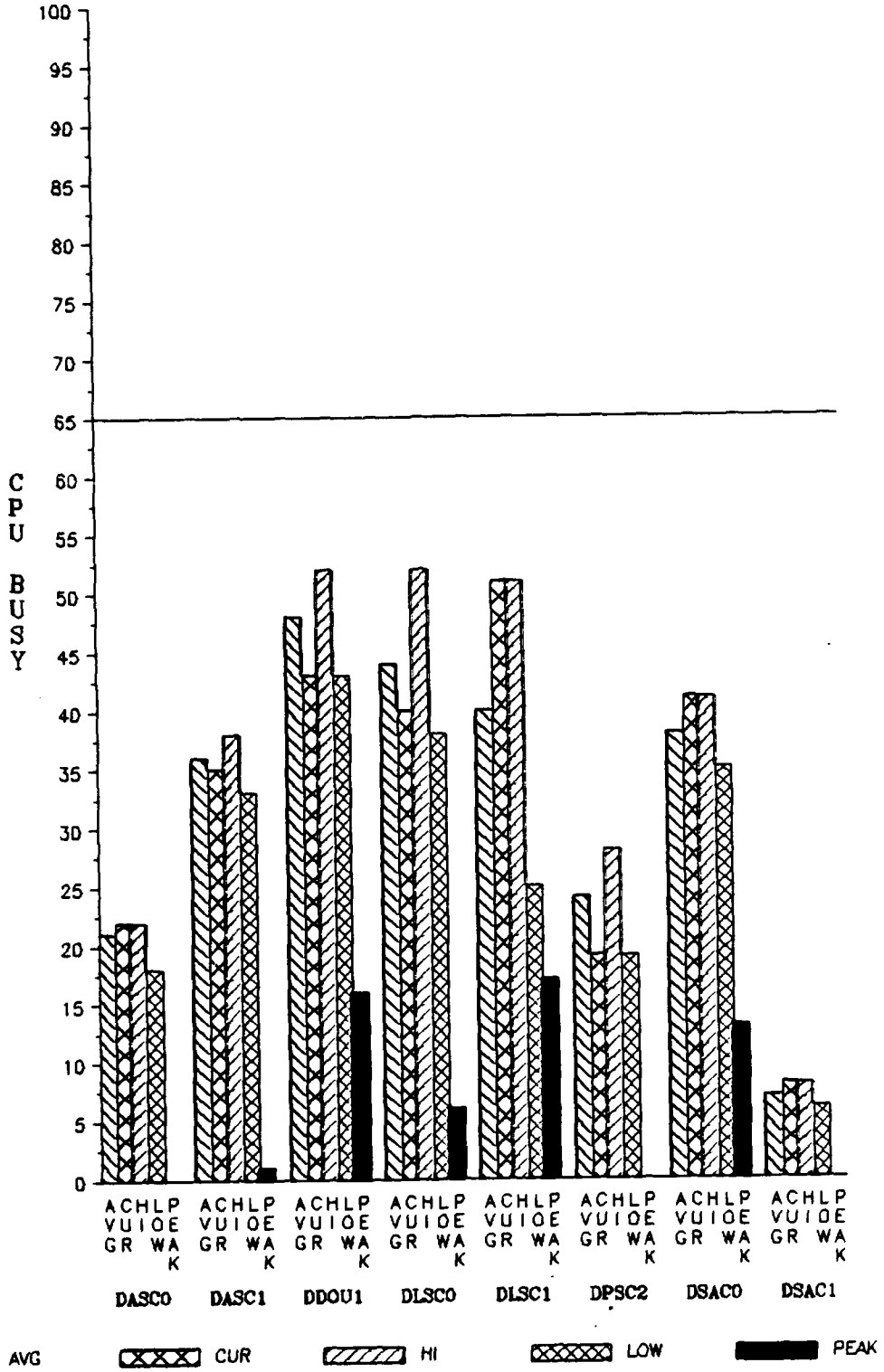


NOTE: VAXIS SCALE CHANGED AT 5.00

CHART OF CPU BUSY

YEAR ENDING DEC 89– BY QUARTERS

SITE=OTHER VAR=CPU_BSY



AVG–CUR–HIGH–LOW–PEAK
QTR –QTR – QTR –QTR –HOUR

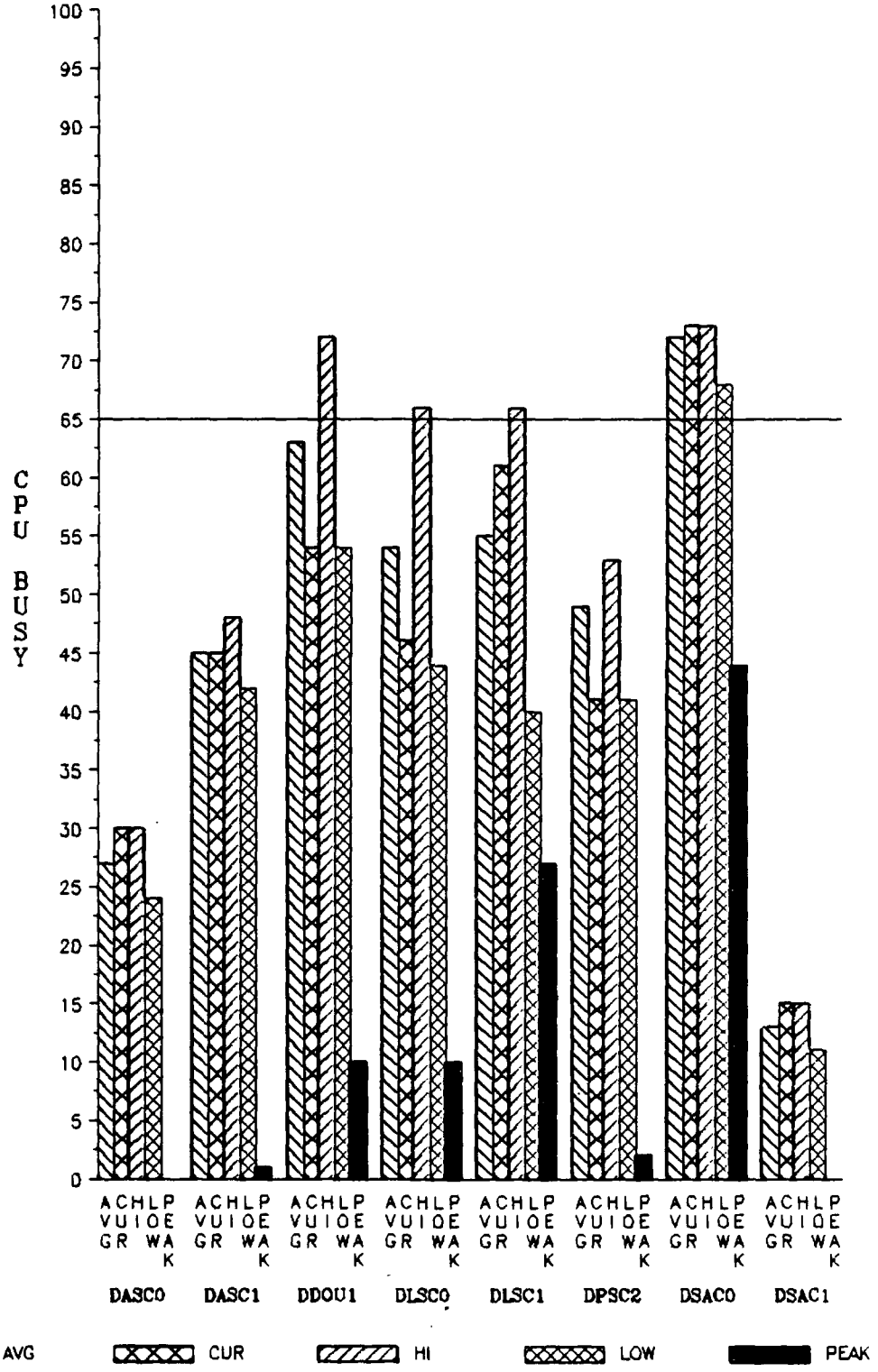
NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

CHART OF CPU BUSY

PRIME SHIFT MON – FRI

YEAR ENDING DEC 89– BY QUARTERS

SITE=OTHER VAR=CPU_BSY

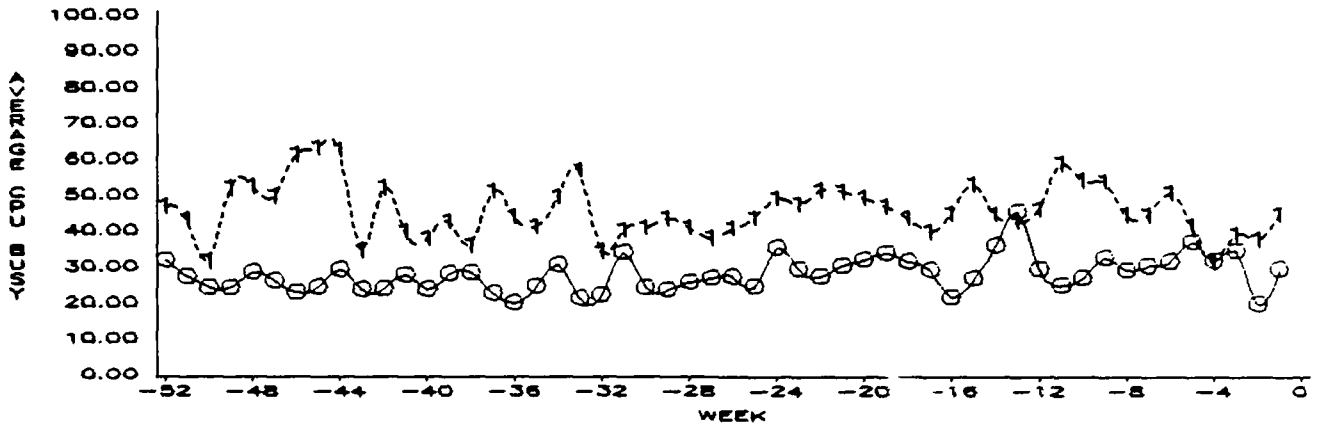


AVG–CUR–HIGH–LOW–PEAK
QTR –QTR – QTR –QTR –HOUR

NOTE: PEAK HOUR IS THE % OF HOURS THAT CPU BUSY WAS >= 85% FOR THE CURRENT QUARTER

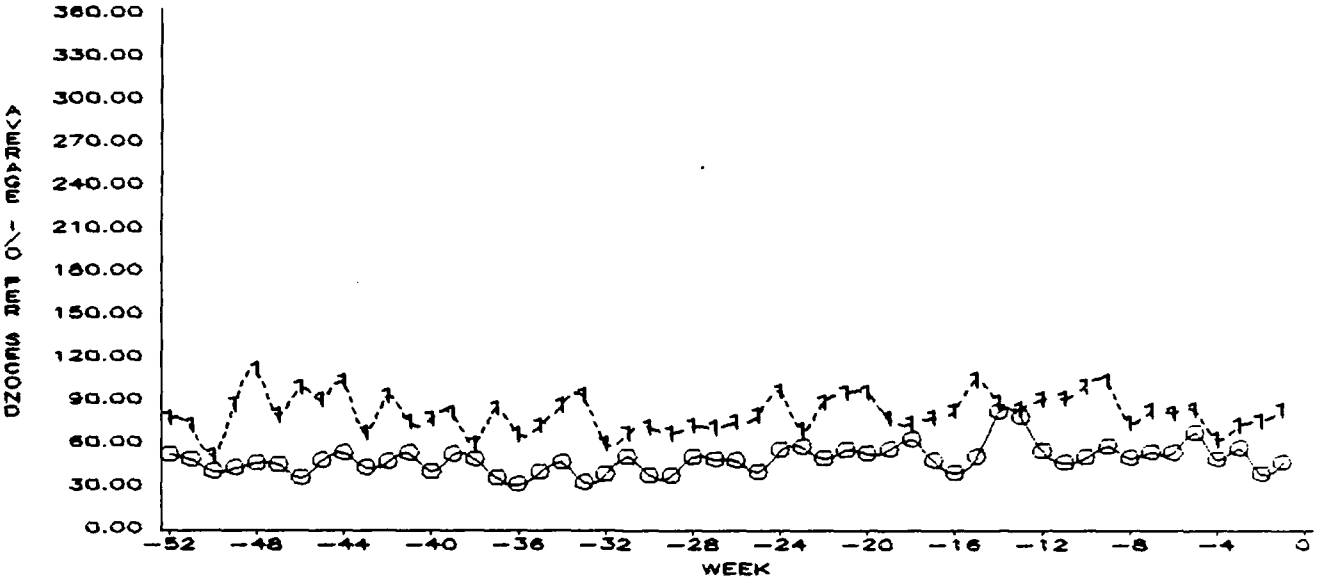
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D A S C

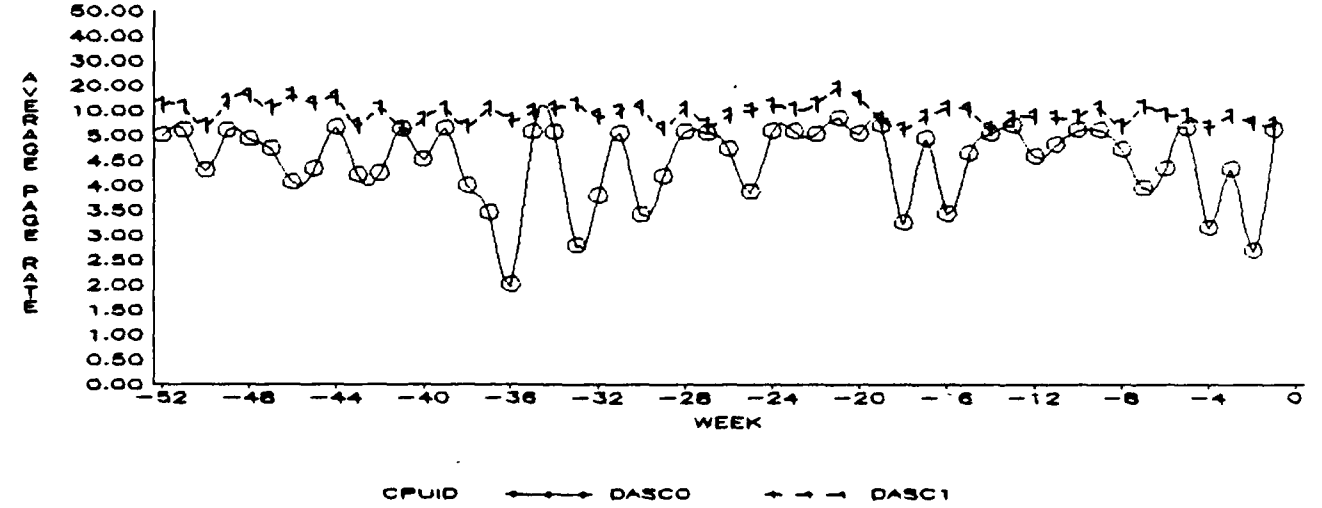


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



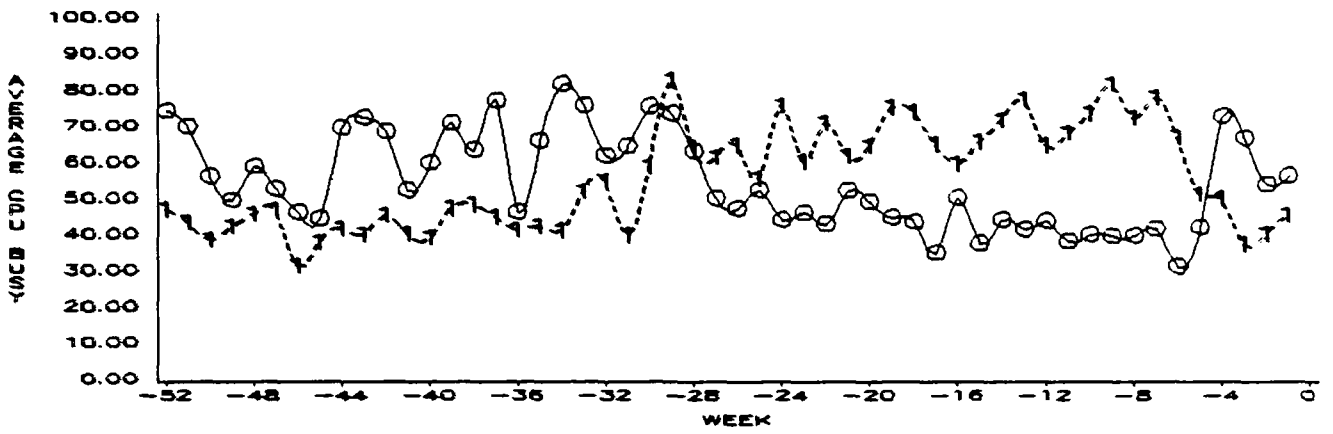
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

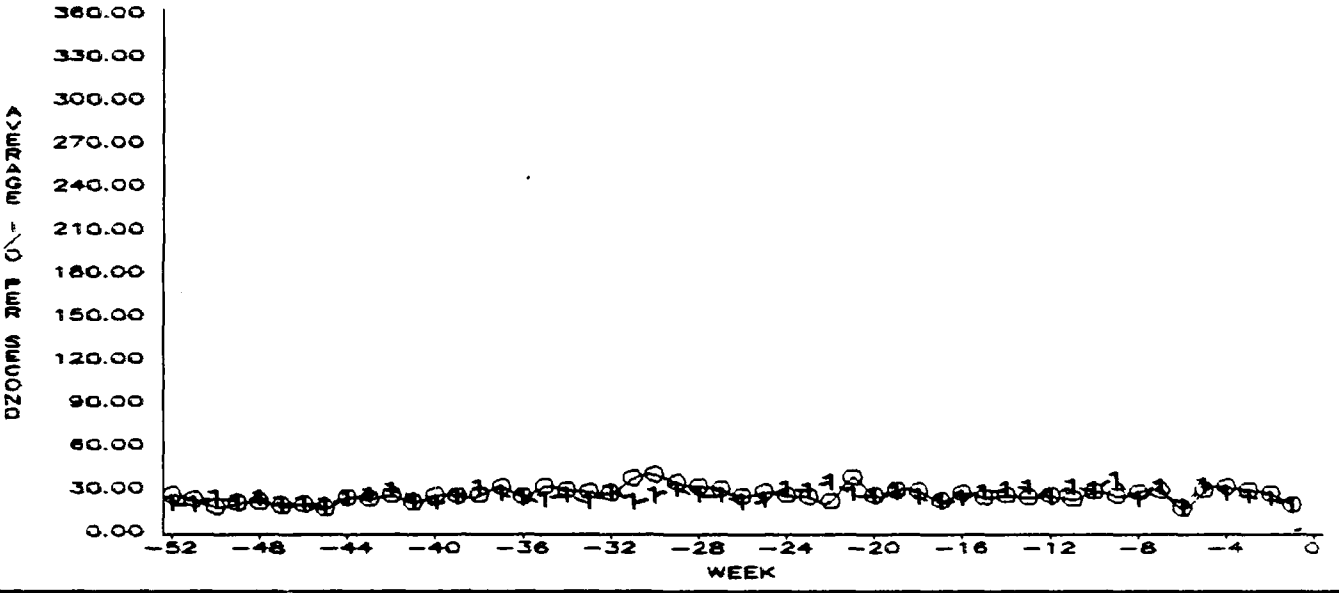
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D L S C

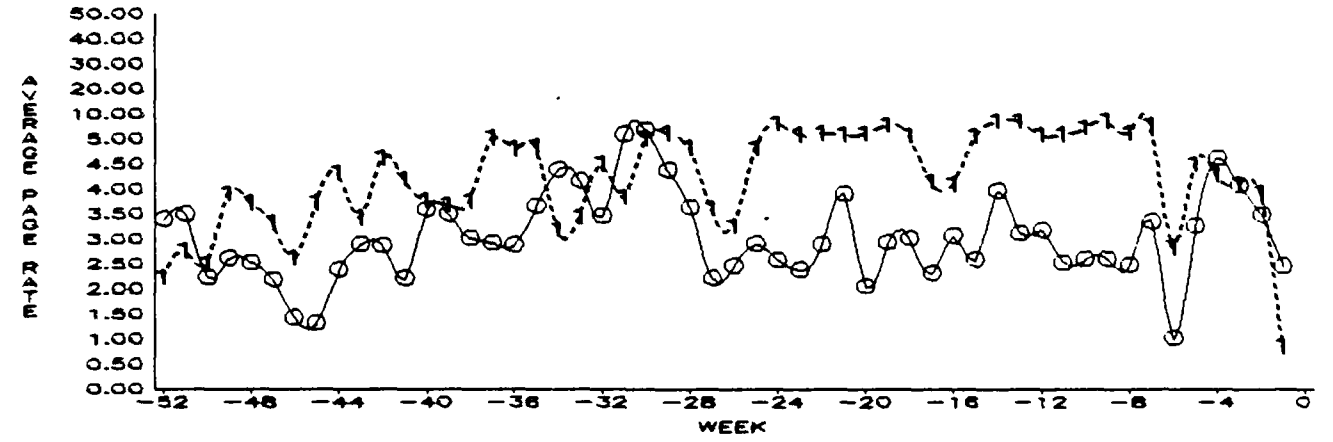


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



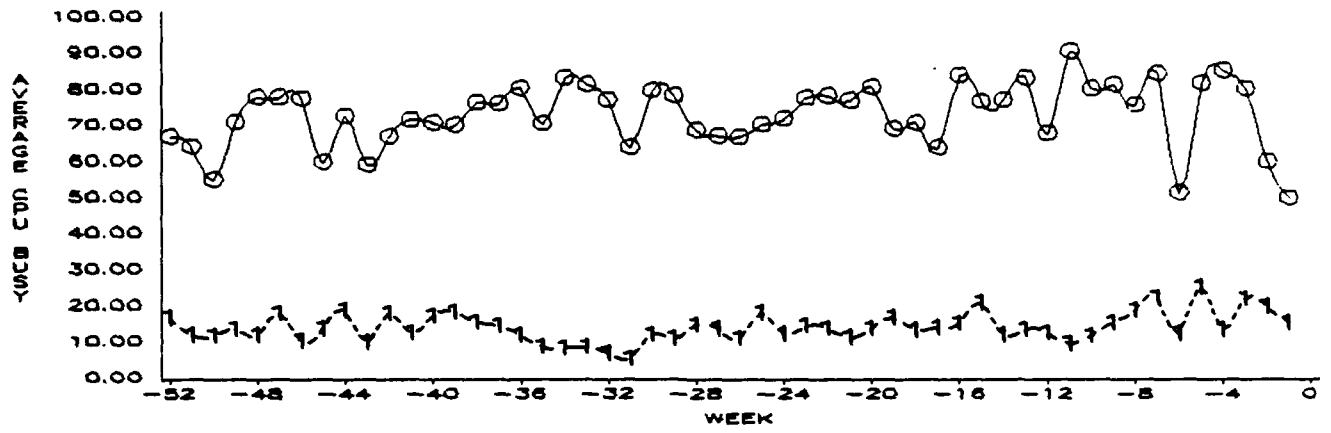
TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

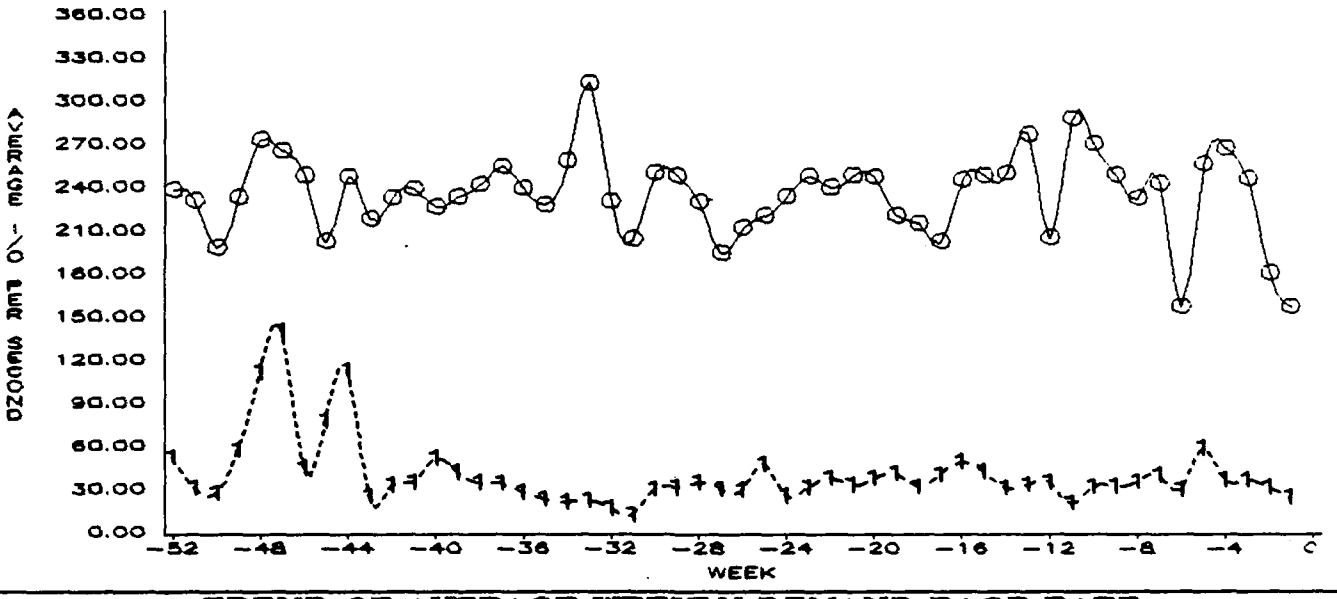
TREND OF AVERAGE WEEKLY CPU BUSY

FOR LAST 52 WEEKS
MONTH ENDING DEC 1989
SITE=D S A C

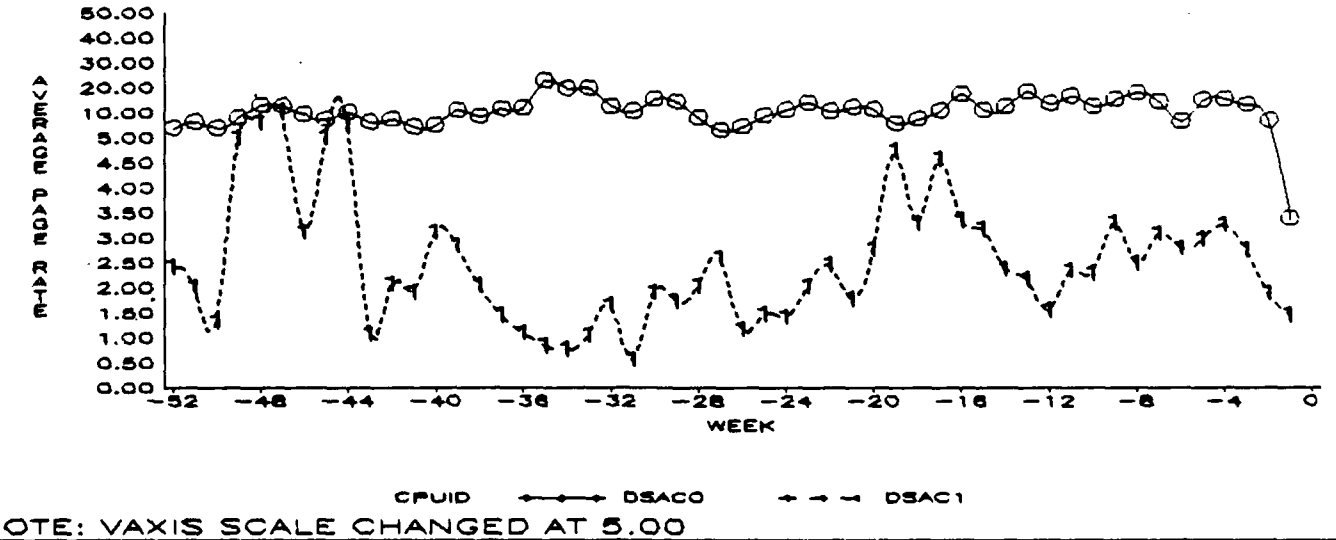


NOTE : WEEK 0 IS LAST WEEK OF REPORT MONTH
AND MAY NOT BE FULL WEEK DUE TO MONTH END

TREND OF AVERAGE WEEKLY DASD RATE



TREND OF AVERAGE WEEKLY DEMAND PAGE RATE



NOTE: VAXIS SCALE CHANGED AT 5.00

Workload Stratification Reports
Quarter Ending Dec 89

Workload Stratification Reports are produced at two levels. Level-One Reports show workload breakout by broad, summary-level classifications; i.e., Standard and Non-Standard Systems, On-Line, Support and Multi-Virtual Storage (MVS) overhead. Level-Two charts, which are scaled to 100 percent, show detailed breakouts of Level-One classifications. For example, the Level-Two Report shows Standard Systems by major AISs.

'DLA Overview - Percent of CPU Busy by Major Workload.'
CPU busy means the percent of CPU resources encumbered by current workload. This Report shows the actual percent of CPU busy and that portion used by each major workload, rolled up by Supply Centers, Defense Depots, DCASRs and the overall DLA average. Major workload classifications are defined as follows:

(1) STANDARD: SAIS batch jobs (i.e., Standard Automated Materiel Management Systems, Automated Payroll Cost and Personnel Systems, Mechanization of Contract Administration Services, Defense Industrial Plant Equipment Center, etc.). O-STD means other SAISs such as Factory.

(2) NON-STD: Non-Standard AIS batch jobs.

(3) ONLINE: The category 'online' refers to online applications such as database management systems, Total Information System (TIS), or the teleprocessing monitor, Time Sharing Option (TSO).

(4) SUPPORT: Work required to support the system (i.e., Job Entry Subsystem (JES) Telecommunications Access Method (TCAM), Virtual Telecommunications Access Method (VTAM), Housekeeping (HSK), etc.). STC means system-started tasks such as JES, TCAM, and Chained Job Scheduler. HSK includes dumps and all general housekeeping tasks.

(5) MVS-OH: Operating system overhead (i.e., used to perform system functions and not charged to any specific workload).

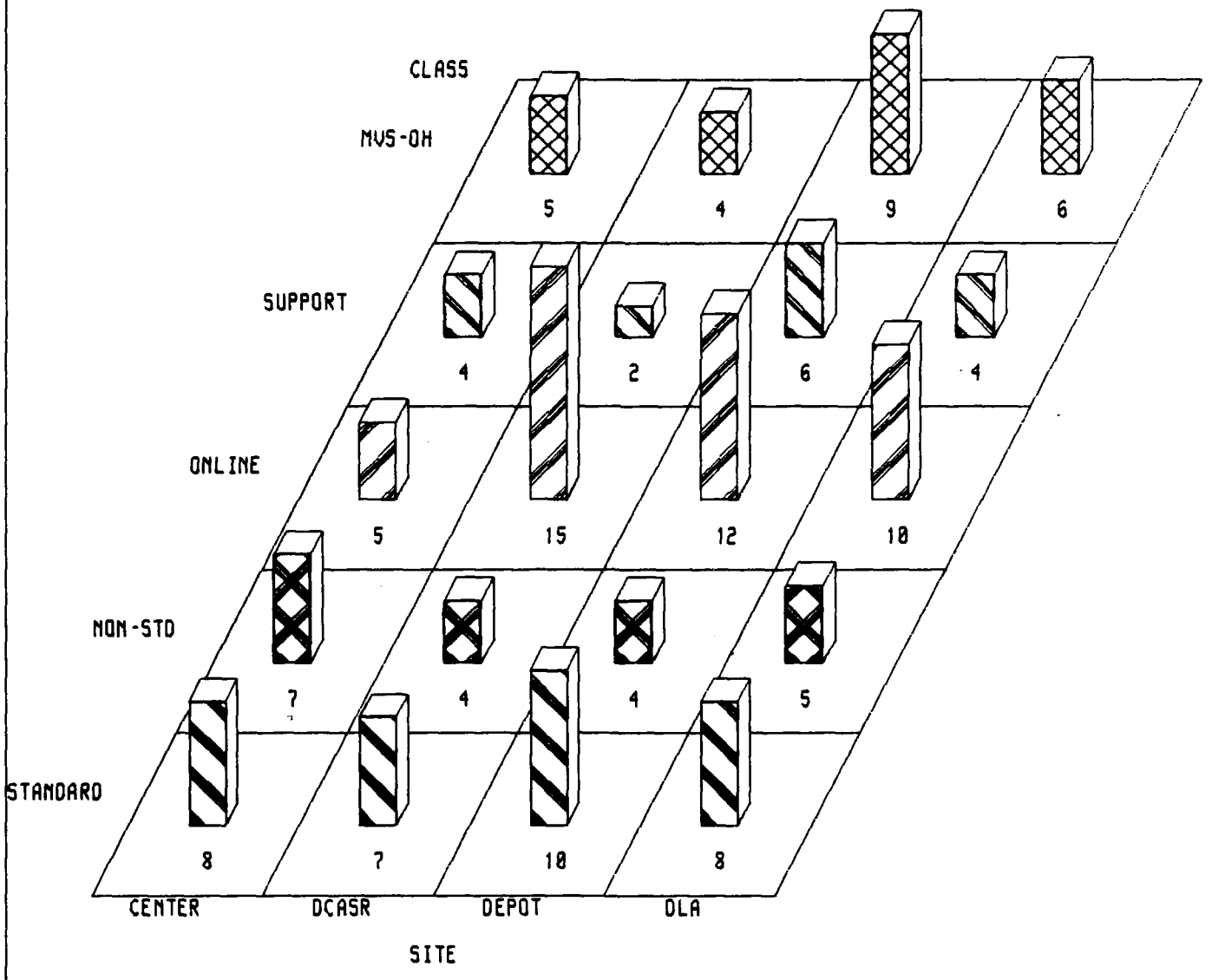
'DLA Overview - Distribution of CPU Used by Major Workload.'
This Report shows, on a chart scaled to 100 percent, the portion of CPU services used by each major workload, rolled up by Supply Center, Defense Depots, DCASRs, and the overall DLA average.

QUARTERLY WORKLOAD STRATIFICATION

DLA OVERVIEW

PERCENT OF CPU BUSY BY MAJOR WORKLOAD

QUARTER ENDING DEC 1989

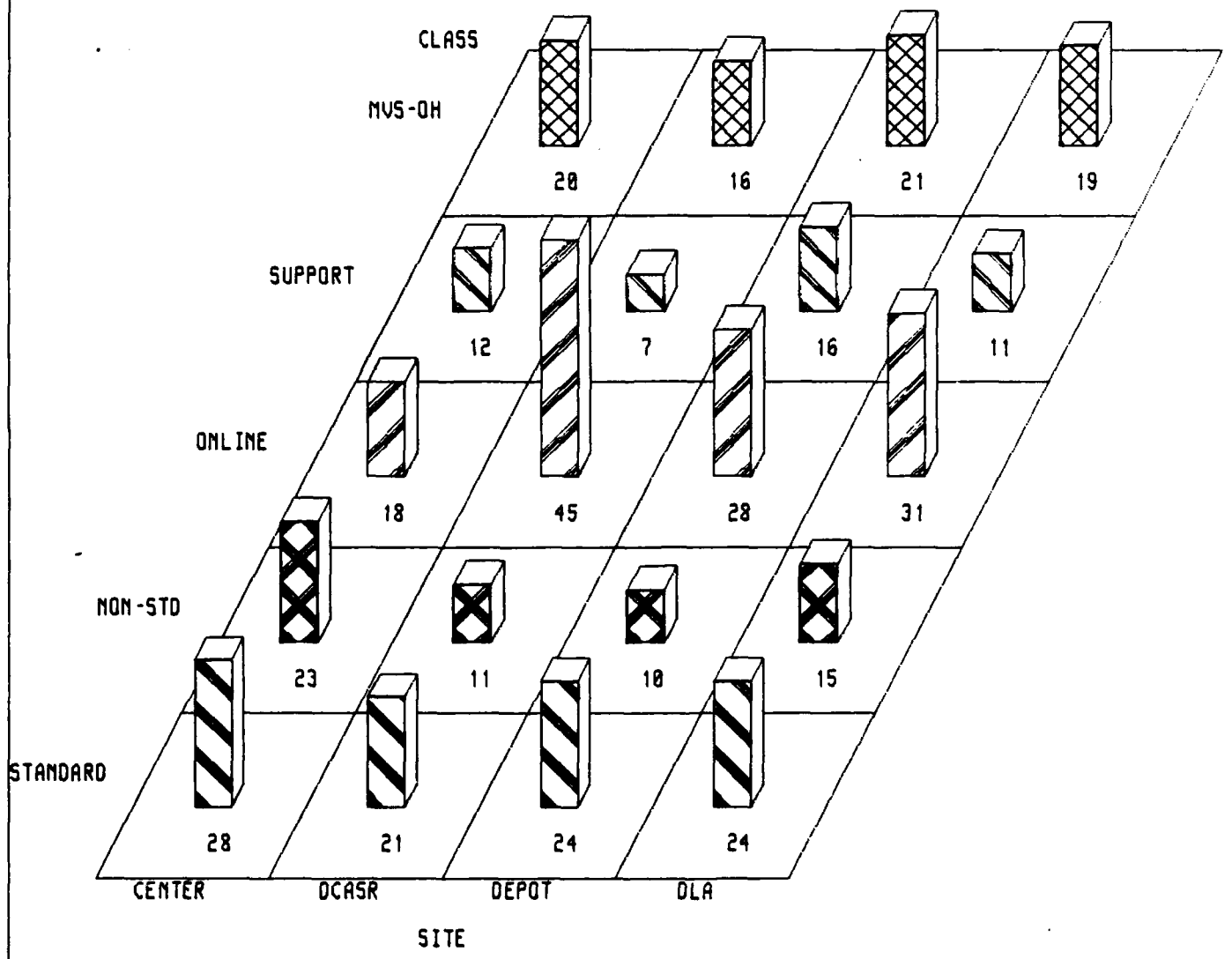


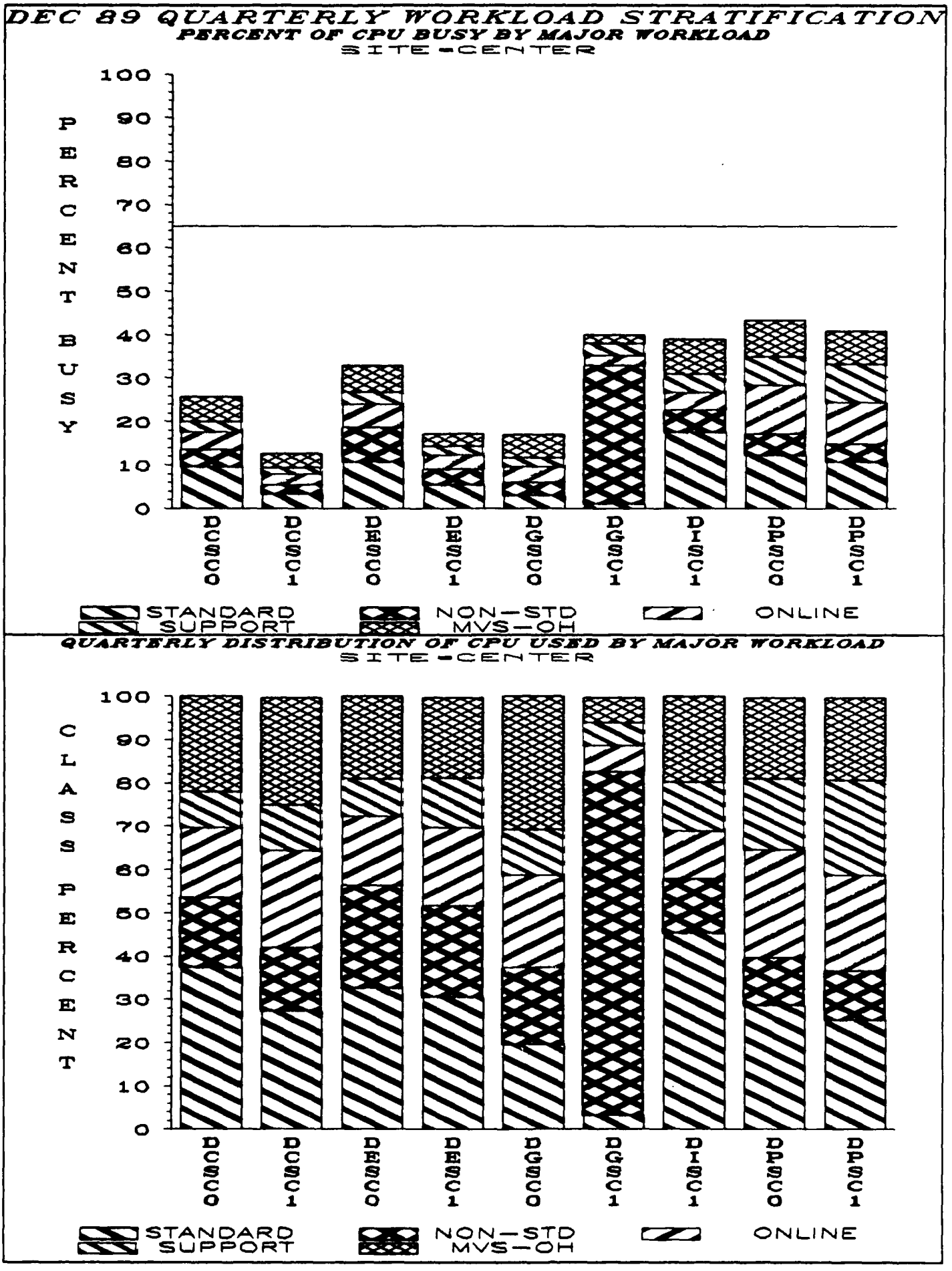
QUARTERLY WORKLOAD STRATIFICATION

DLA OVERVIEW

DISTRIBUTION OF CPU BUSY BY MAJOR WORKLOAD

QUARTER ENDING DEC 1989

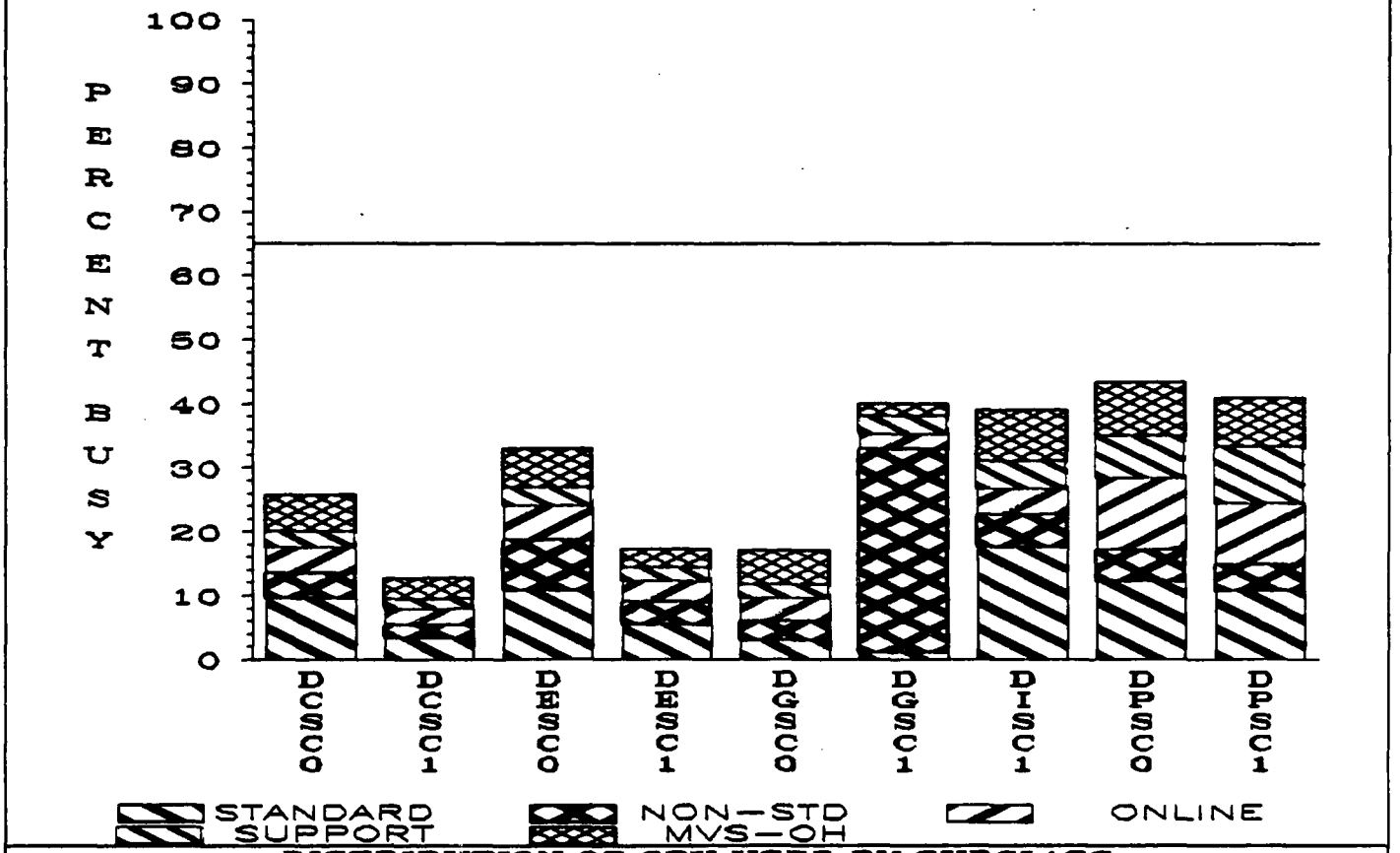



DEC 89 QUARTERLY WORKLOAD STRATIFICATION
PERCENT OF CPU BUSY BY MAJOR WORKLOAD
SITE-CENTER
PERCENT BUSY
100
90
80
70
60
50
40
30
20
10
0
DCSC0
DCSC1
DESC0
DESC1
DGSC0
DGSC1
DISC1
DPSC0
DPSC1
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE
QUARTERLY DISTRIBUTION OF CPU USED BY MAJOR WORKLOAD
SITE-CENTER
CLASS PERCENT
100
90
80
70
60
50
40
30
20
10
0
DCSC0
DCSC1
DESC0
DESC1
DGSC0
DGSC1
DISC1
DPSC0
DPSC1
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE

DEC 89 QUARTERLY WORKLOAD STRATIFICATION

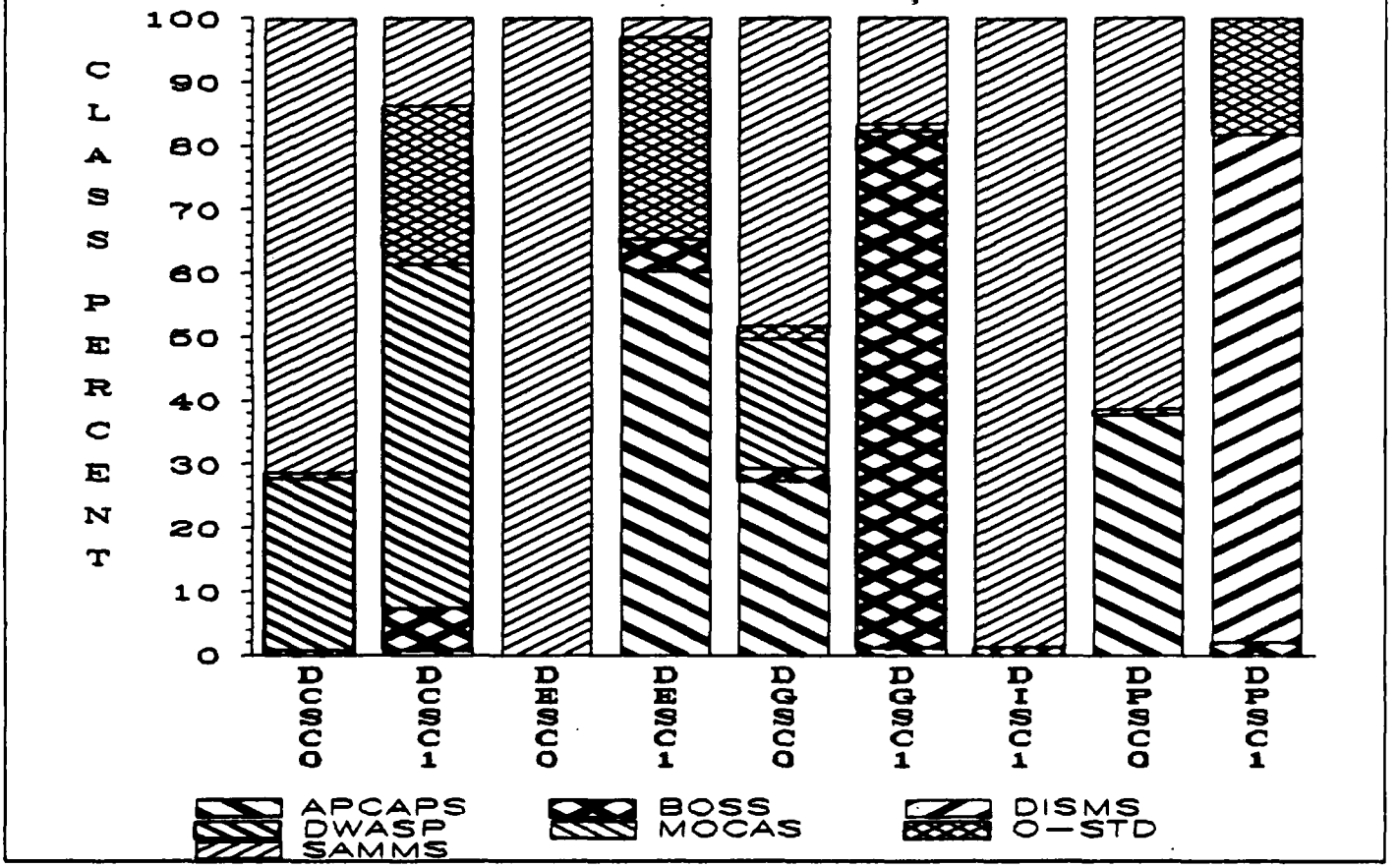
PERCENT OF CPU BUSY BY MAJOR WORKLOAD

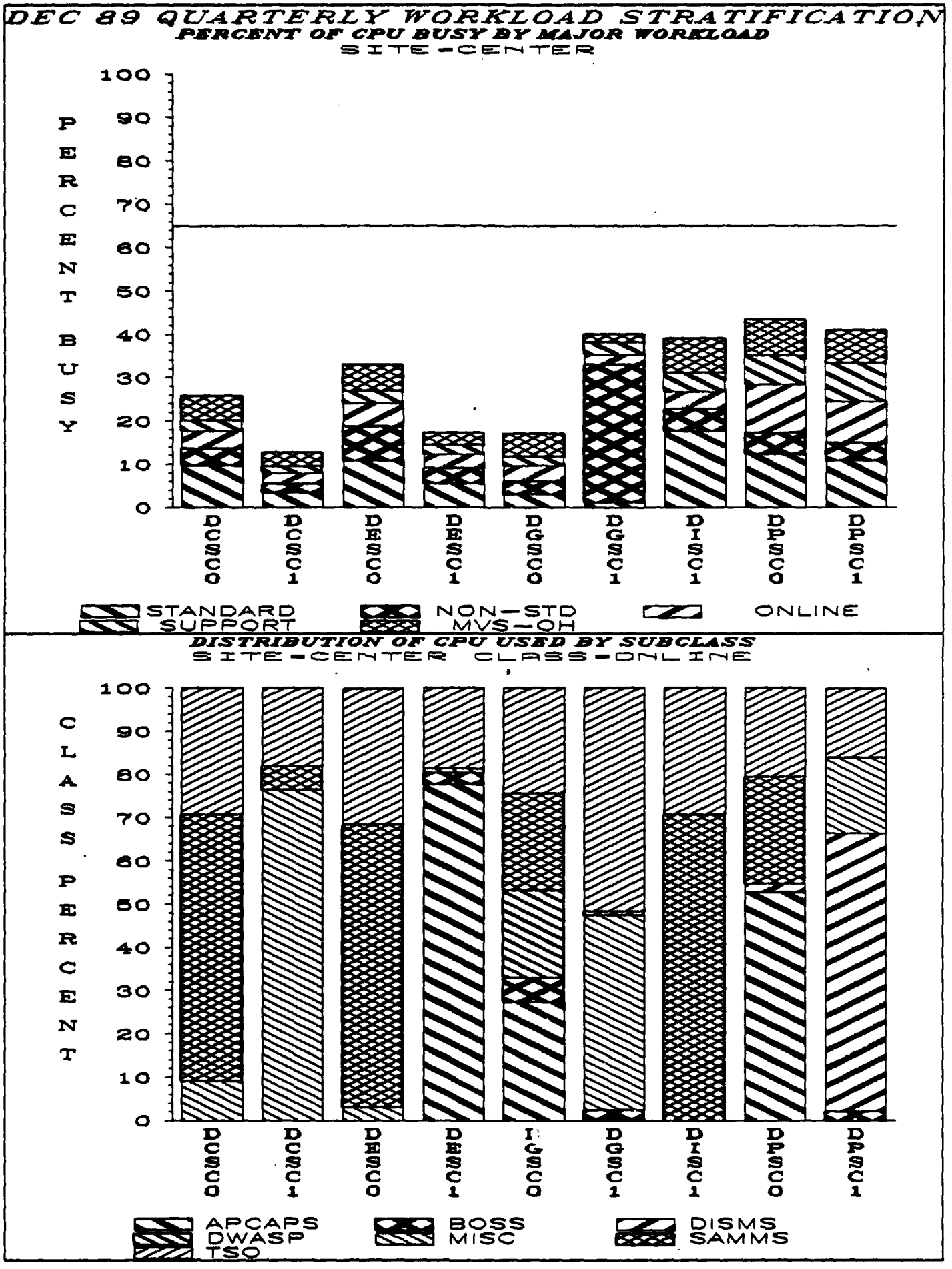
SITE-CENTER



DISTRIBUTION OF CPU USED BY SUBCLASS

SITE-CENTER CLASS-STANDARD

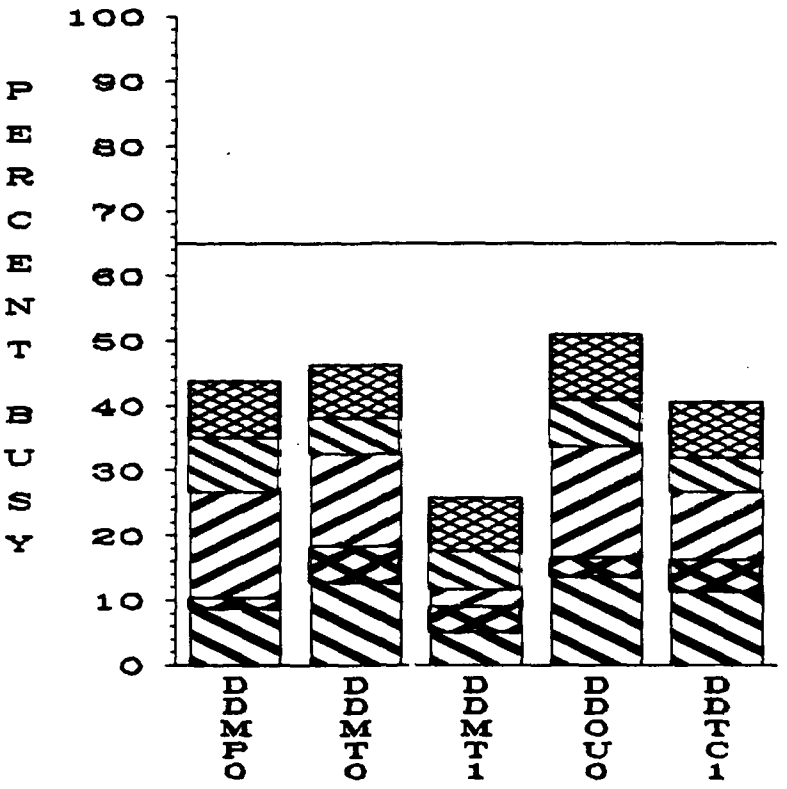



DEC 89 QUARTERLY WORKLOAD STRATIFICATION
PERCENT OF CPU BUSY BY MAJOR WORKLOAD
SITE-CENTER
PERCENT BUSY
100
90
80
70
60
50
40
30
20
10
0
DCSC0
DCSC1
DESC0
DESC1
DGSC0
DGSC1
DISC1
DPSC0
DPSC1
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE
DISTRIBUTION OF CPU USED BY SUBCLASS
SITE-CENTER CLASS-ONLINE
CLASS PERCENT
100
90
80
70
60
50
40
30
20
10
0
DCSC0
DCSC1
DESC0
DESC1
IGSC0
DGSC1
DISC1
DPSC0
DPSC1
APCAPS
DWASP
TSO
BOSS
MISC
DISMS
SAMMS

DEC 89 QUARTERLY WORKLOAD STRATIFICATION

PERCENT OF CPU BUSY BY MAJOR WORKLOAD

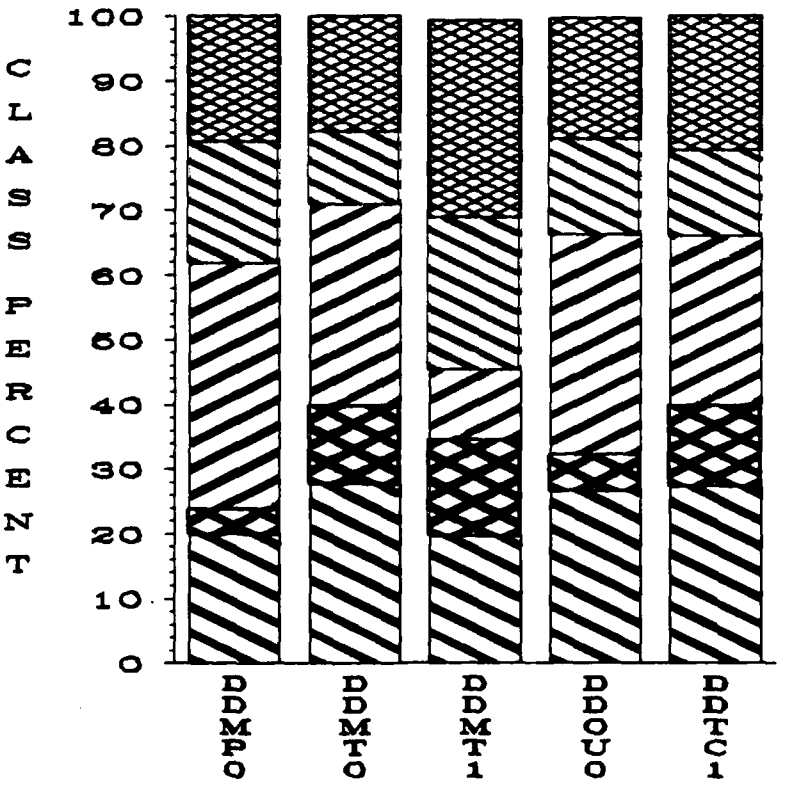
SITE-DEPOT



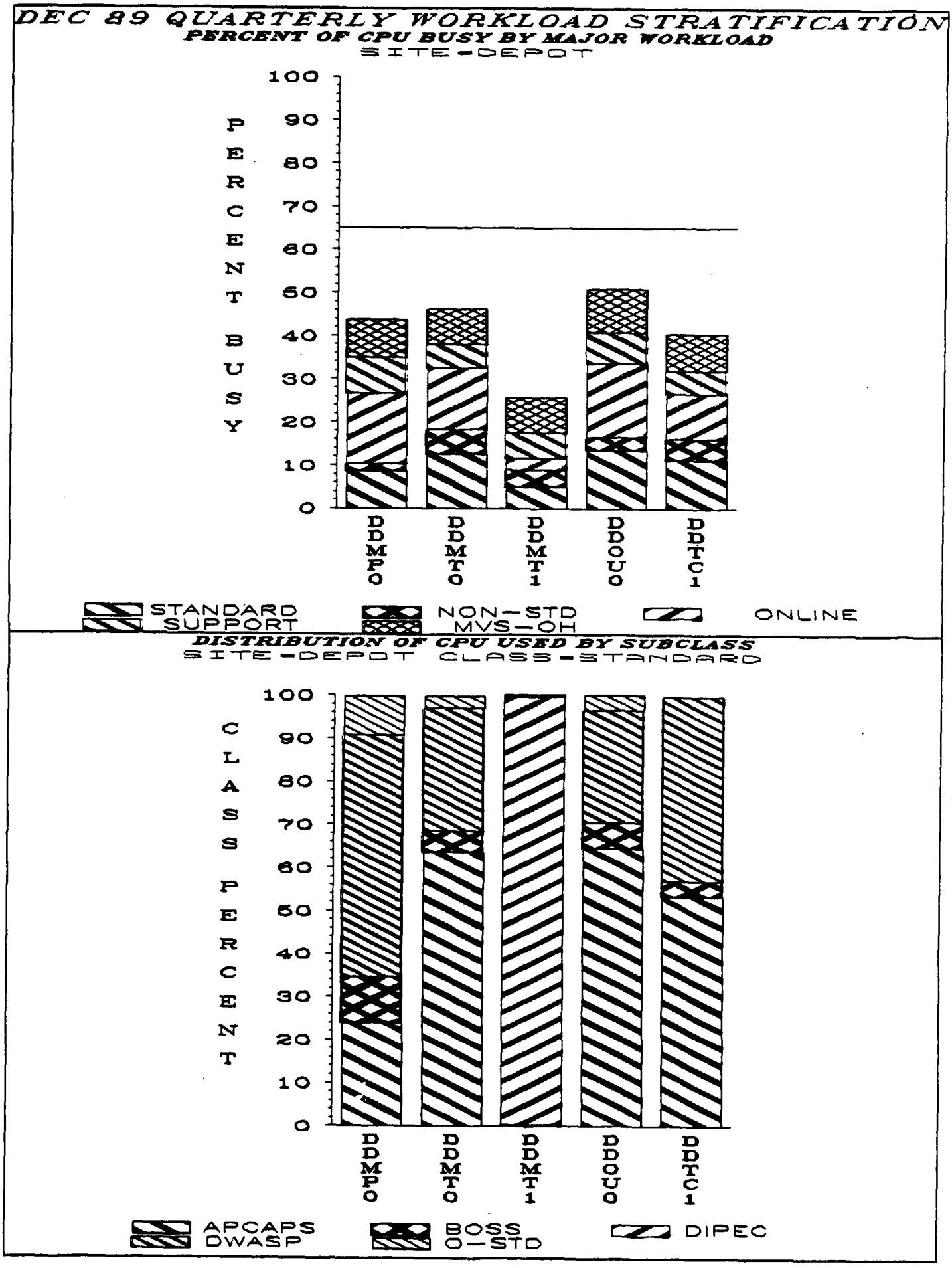
STANDARD SUPPORT | NON-STD MVS-OH | ONLINE

QUARTERLY DISTRIBUTION OF CPU USED BY MAJOR WORKLOAD

SITE-DEPOT



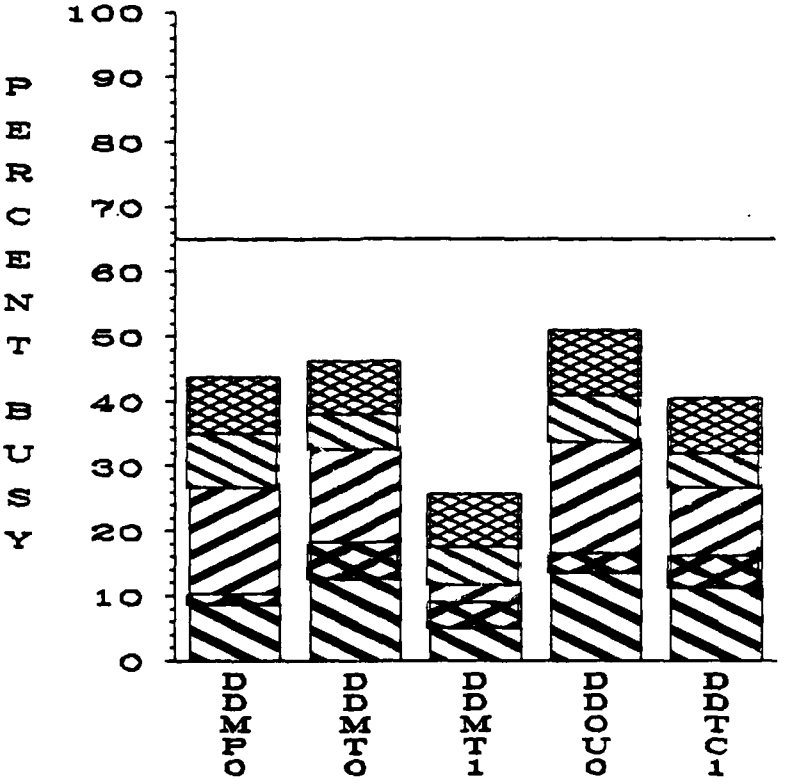
STANDARD SUPPORT | NON-STD MVS-OH | ONLINE


DEC 89 QUARTERLY WORKLOAD STRATIFICATION
PERCENT OF CPU BUSY BY MAJOR WORKLOAD
SITE-DEPOT
PERCENT BUSY
100
90
80
70
60
50
40
30
20
10
0
DDMP0
DDMT0
DDMT1
DDOU0
DDTC1
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE
DISTRIBUTION OF CPU USED BY SUBCLASS
SITE-DEPOT CLASS-STANDARD
CLASS PERCENT
100
90
80
70
60
50
40
30
20
10
0
DDMP0
DDMT0
DDMT1
DDOU0
DDTC1
APCAPS
DWASP
BOSS
O-STD
DIPEC

DEC 89 QUARTERLY WORKLOAD STRATIFICATION

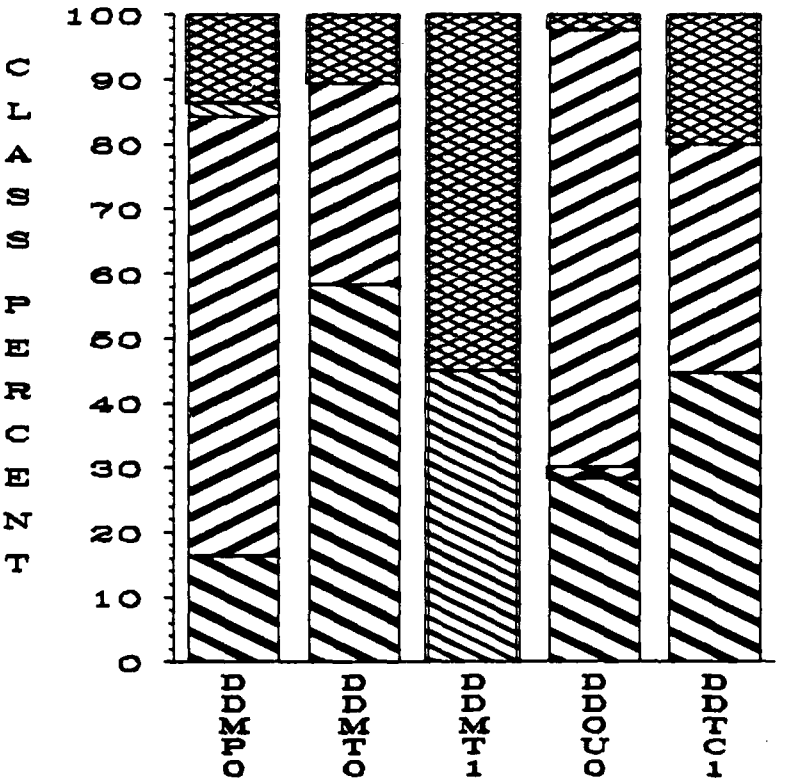
PERCENT OF CPU BUSY BY MAJOR WORKLOAD

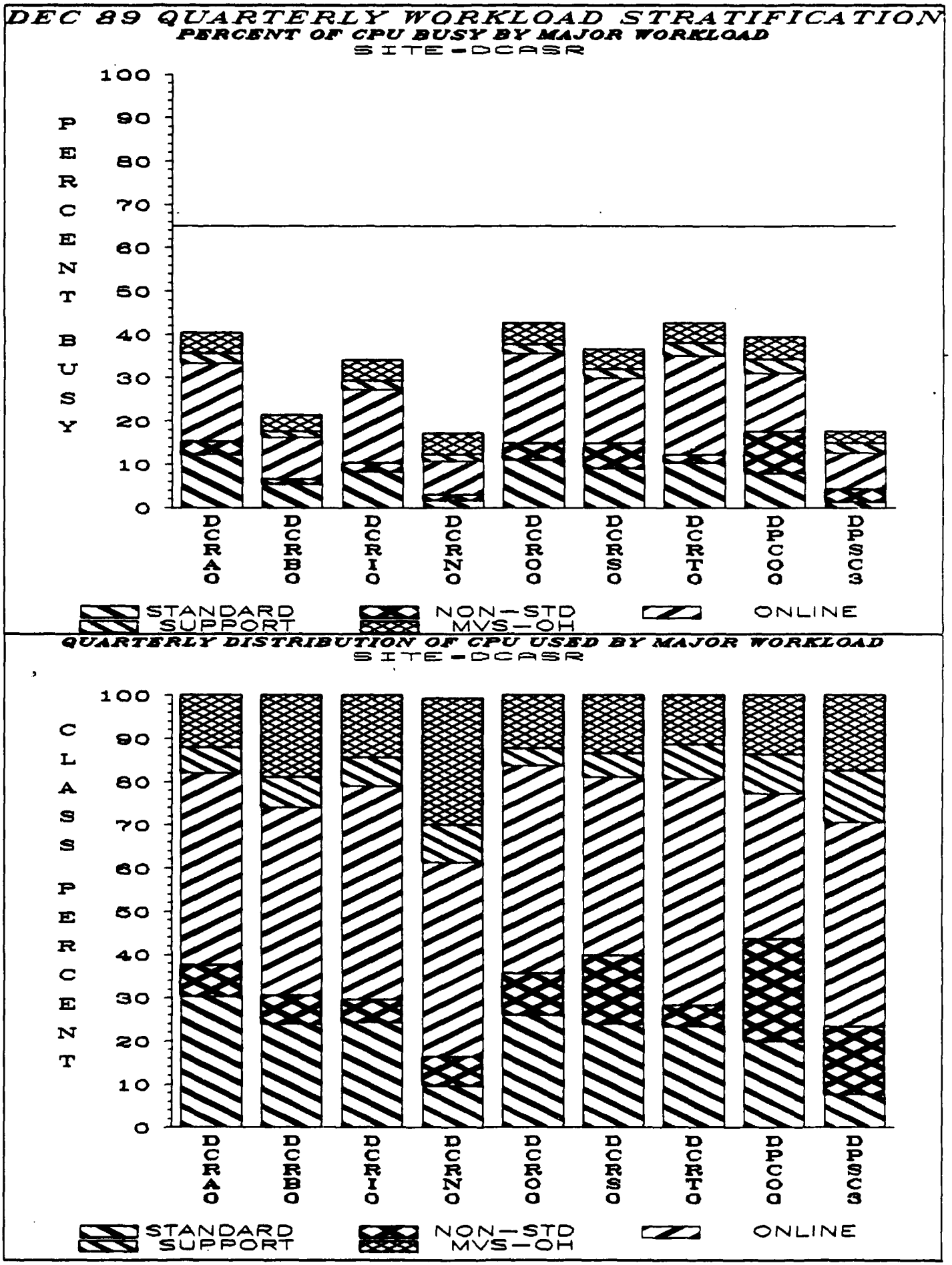
SITE-DEPOT

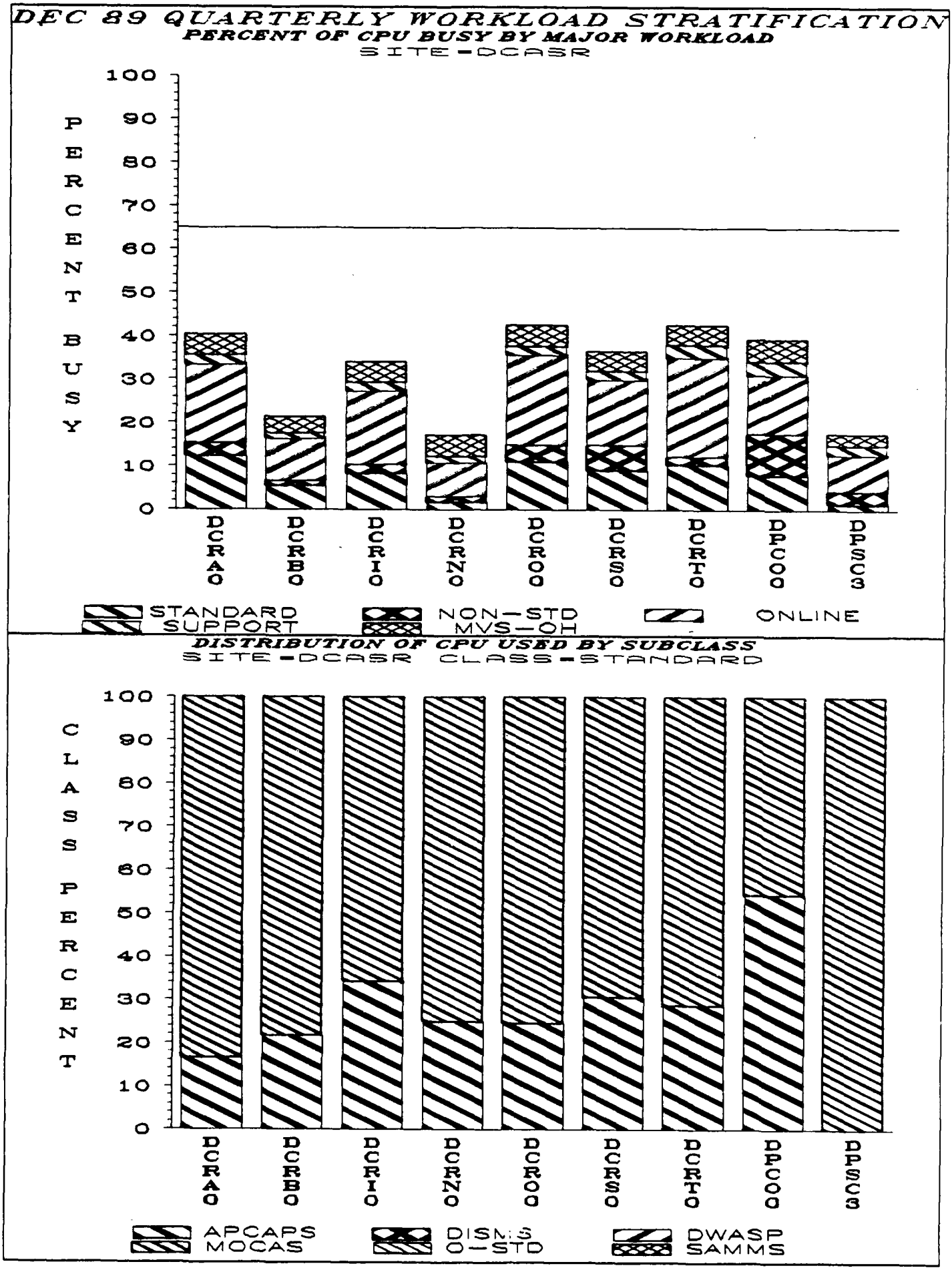


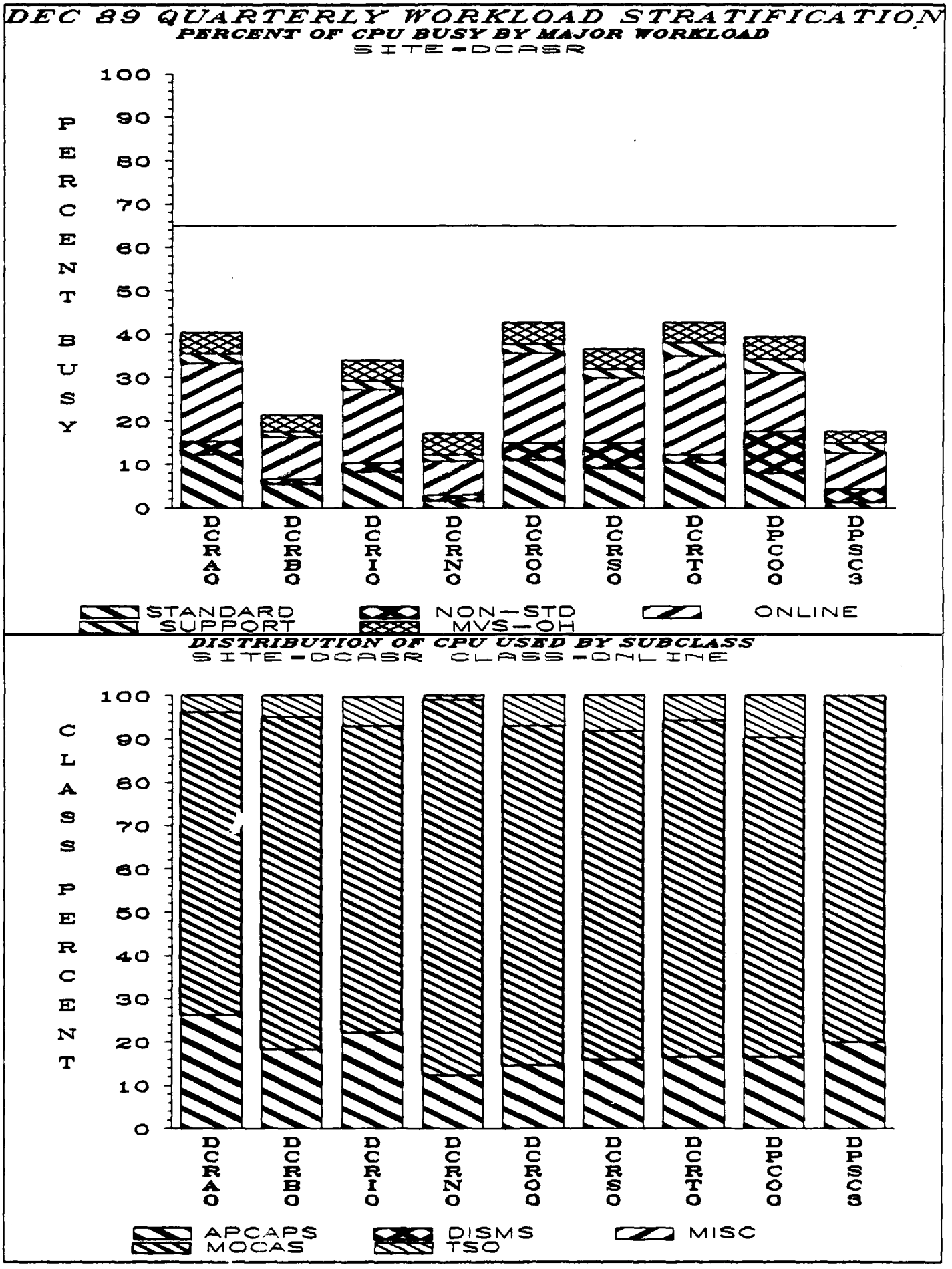
DISTRIBUTION OF CPU USED BY SUBCLASS

SITE-DEPOT CLASS-ONLINE




DEC 89 QUARTERLY WORKLOAD STRATIFICATION
PERCENT OF CPU BUSY BY MAJOR WORKLOAD
SITE-DCASR
PERCENT BUSY
100
90
80
70
60
50
40
30
20
10
0
DCRAO
DCRBO
DCRIO
DCRNO
DCROO
DCRSO
DCRTO
DPCOO
DPSC3
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE
QUARTERLY DISTRIBUTION OF CPU USED BY MAJOR WORKLOAD
SITE-DCASR
CLASS PERCENT
100
90
80
70
60
50
40
30
20
10
0
DCRAO
DCRBO
DCRIO
DCRNO
DCROO
DCRSO
DCRTO
DPCOO
DPSC3
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE


DEC 89 QUARTERLY WORKLOAD STRATIFICATION
PERCENT OF CPU BUSY BY MAJOR WORKLOAD
SITE-DCASR
PERCENT BUSY
100
90
80
70
60
50
40
30
20
10
0
DCRAO
DCRBO
DCRIO
DCRNO
DCROO
DCRSO
DCRTO
DPCOO
DPSC3
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE
DISTRIBUTION OF CPU USED BY SUBCLASS
SITE-DCASR CLASS-STANDARD
CLASS PERCENT
100
90
80
70
60
50
40
30
20
10
0
DCRAO
DCRBO
DCRIO
DCRNO
DCROO
DCRSO
DCRTO
DPCOO
DPSC3
APCAPS
MOCAS
DISMS
O-STD
DWASP
SAMMS


DEC 89 QUARTERLY WORKLOAD STRATIFICATION
PERCENT OF CPU BUSY BY MAJOR WORKLOAD
SITE=DCASR
PERCENT BUSY
100
90
80
70
60
50
40
30
20
10
0
DCRAO
DCRBO
DCRIO
DCRNO
DCROO
DCRSO
DCRTO
DPCOO
DPSC3
STANDARD
SUPPORT
NON-STD
MVS-OH
ONLINE
DISTRIBUTION OF CPU USED BY SUBCLASS
SITE=DCASR CLASS=ONLINE
CLASS PERCENT
100
90
80
70
60
50
40
30
20
10
0
DCRAO
DCRBO
DCRIO
DCRNO
DCROO
DCRSO
DCRTO
DPCOO
DPSC3
APCAPS
MOCAS
DISMS
TSO
MISC

TIS Performance Data for Quarter Ending Dec 89

Description for **APPLICATION AVERAGE RESPONSE TIME**

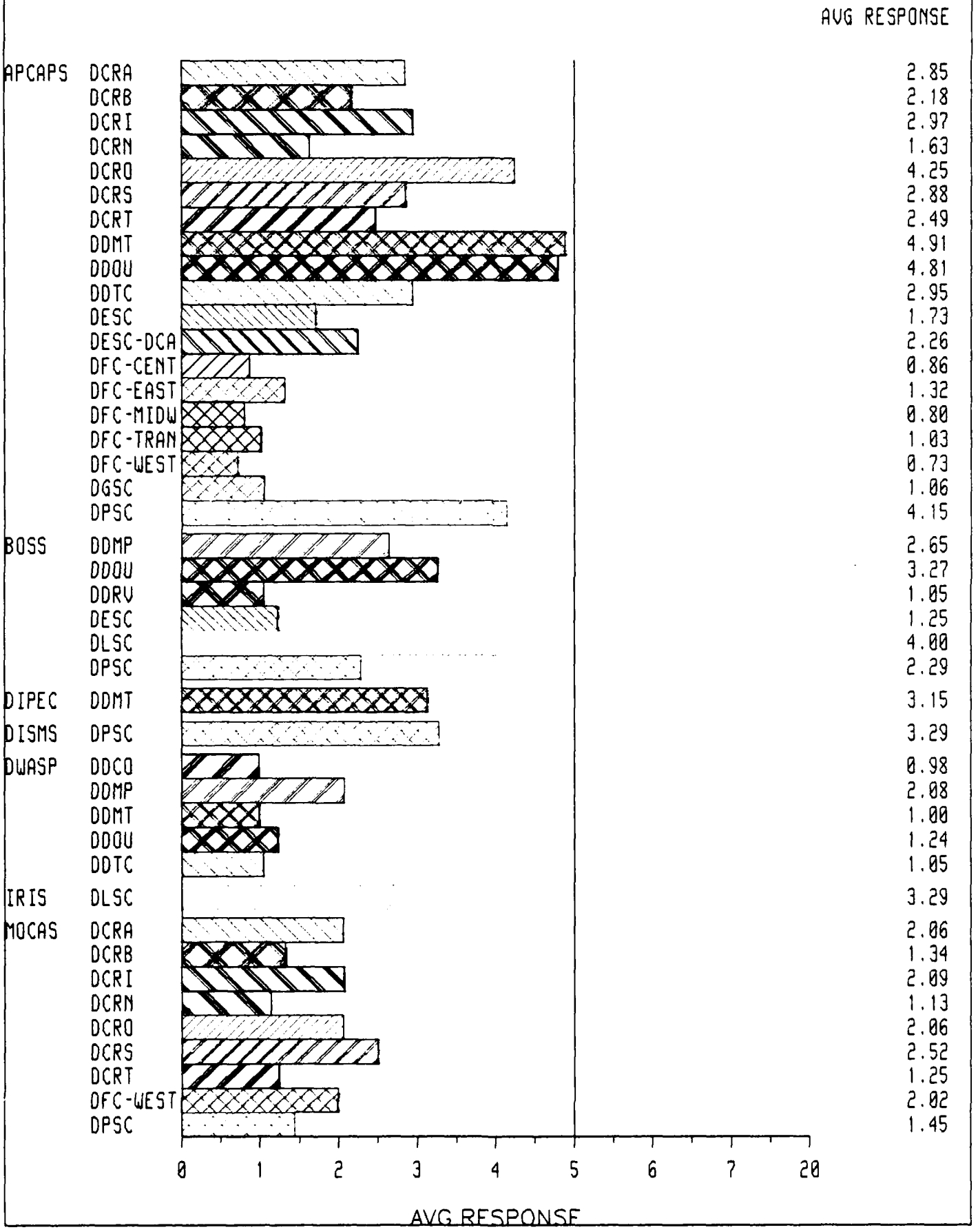
This graph depicts the average response times for TIS and MOTAM applications running at all sites.

The graph is divided into six separate groups, on each for APCAPS, DAISY, DIPEC, DISMS, DWASP, and MOCAS. If a site has more than one TIS application running (i.e., DCRA runs both APCAPS and MOCAS) the bars representing the response times will be of the same pattern.

The actual numeric average response time is shown to the right of each bar, and is calculated by averaging the response times documented during the hours of 0700-1700.

APPLICATION AVERAGE RESPONSE TIME

QTR ENDING 31DEC89



Description for **APPLICATION PEAK HOUR & HOURLY AVERAGE**

The following set of graphs represents the **peak hour** transactions and the **average hourly** transactions for **TIS** and **MOTAM** applications running at the **CENTERS, DEPOTS, and DCASRS.** The graphs are grouped by application and site (i.e., **APCAPS--CENTERS**).

For each site there are six bars. Following is a definition of each.

A_RESP: the average response time for one hour observed during the core hours of 0700-1700.

A_STAT: the average number of stations active per hour during the core hours.

A_TRAN: the average number of transactions processed per hour during the core hours.

P_RESP: the response time that corresponds with the peak number of transactions.

P_STAT: the number of stations that corresponds with the peak number of transactions.

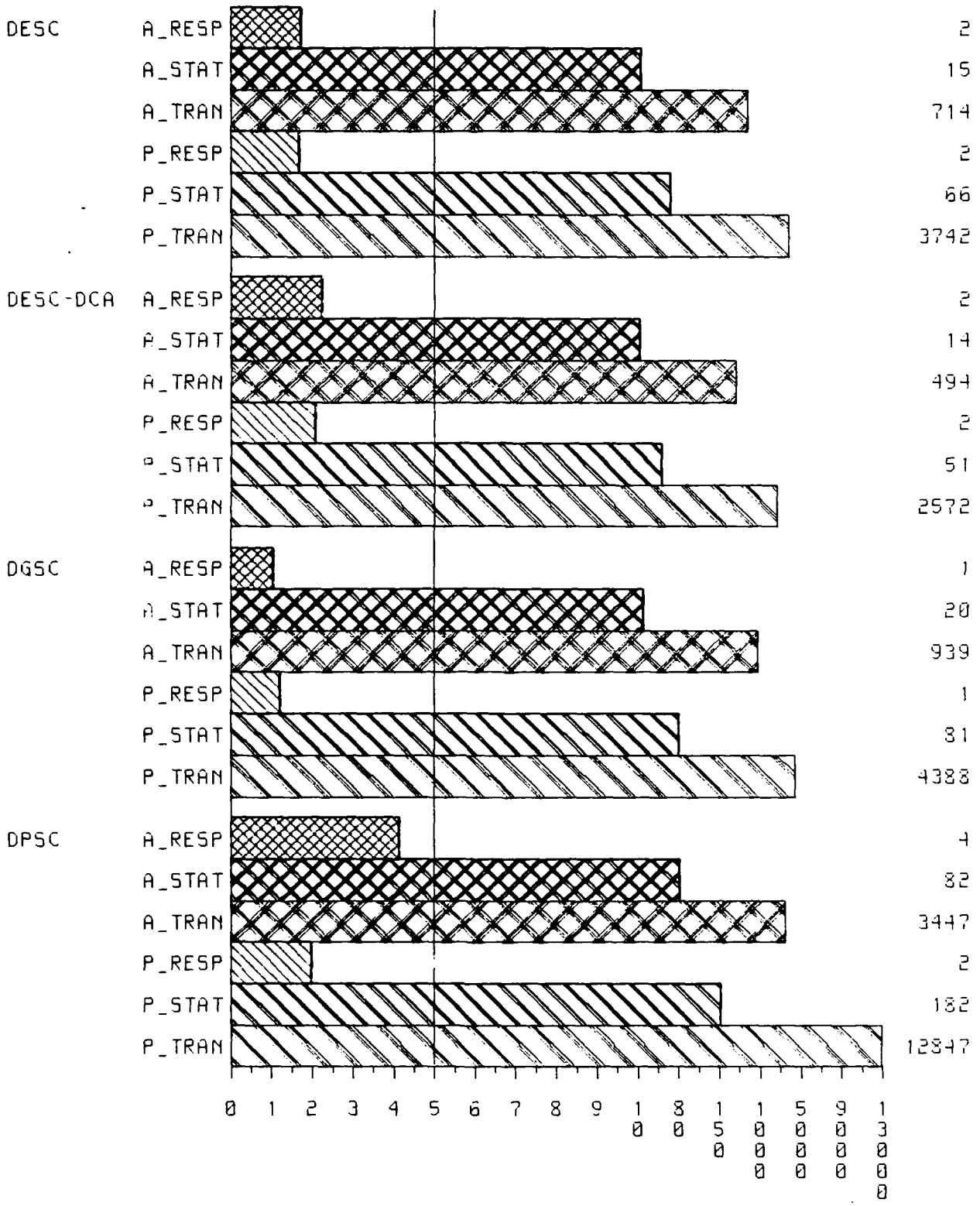
P_TRAN: the peak number of transactions that was observed for any one hour during the quarter.

The actual numeric value of each bar is shown directly to the right of the graph. The horizontal axis has been scaled to allow each value to be displayed as clearly as possible.

TIS--APCAPS--CENTERS

PEAK HOUR & HOURLY AVERAGE

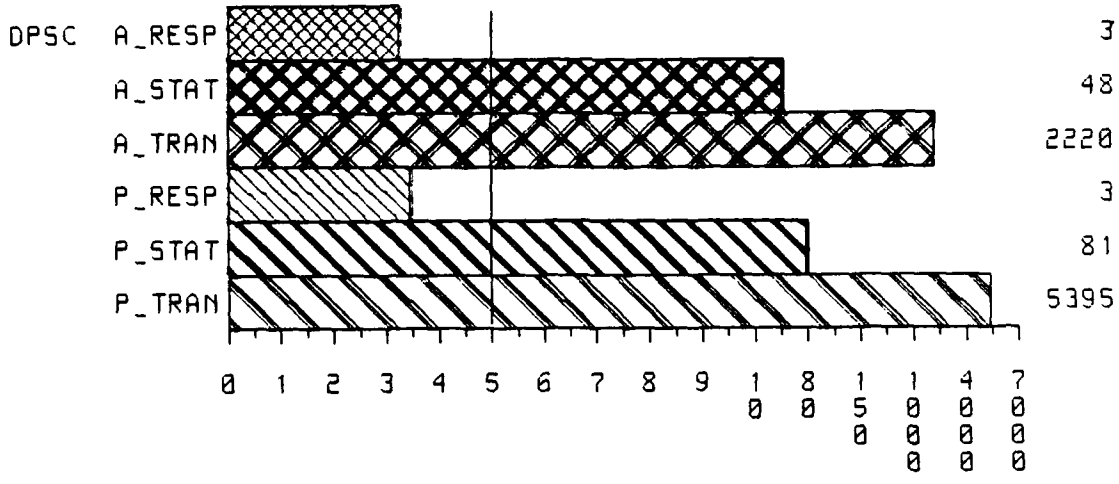
QTR ENDING 31DEC89



TIS--DISMS

PEAK HOUR & HOURLY AVERAGE

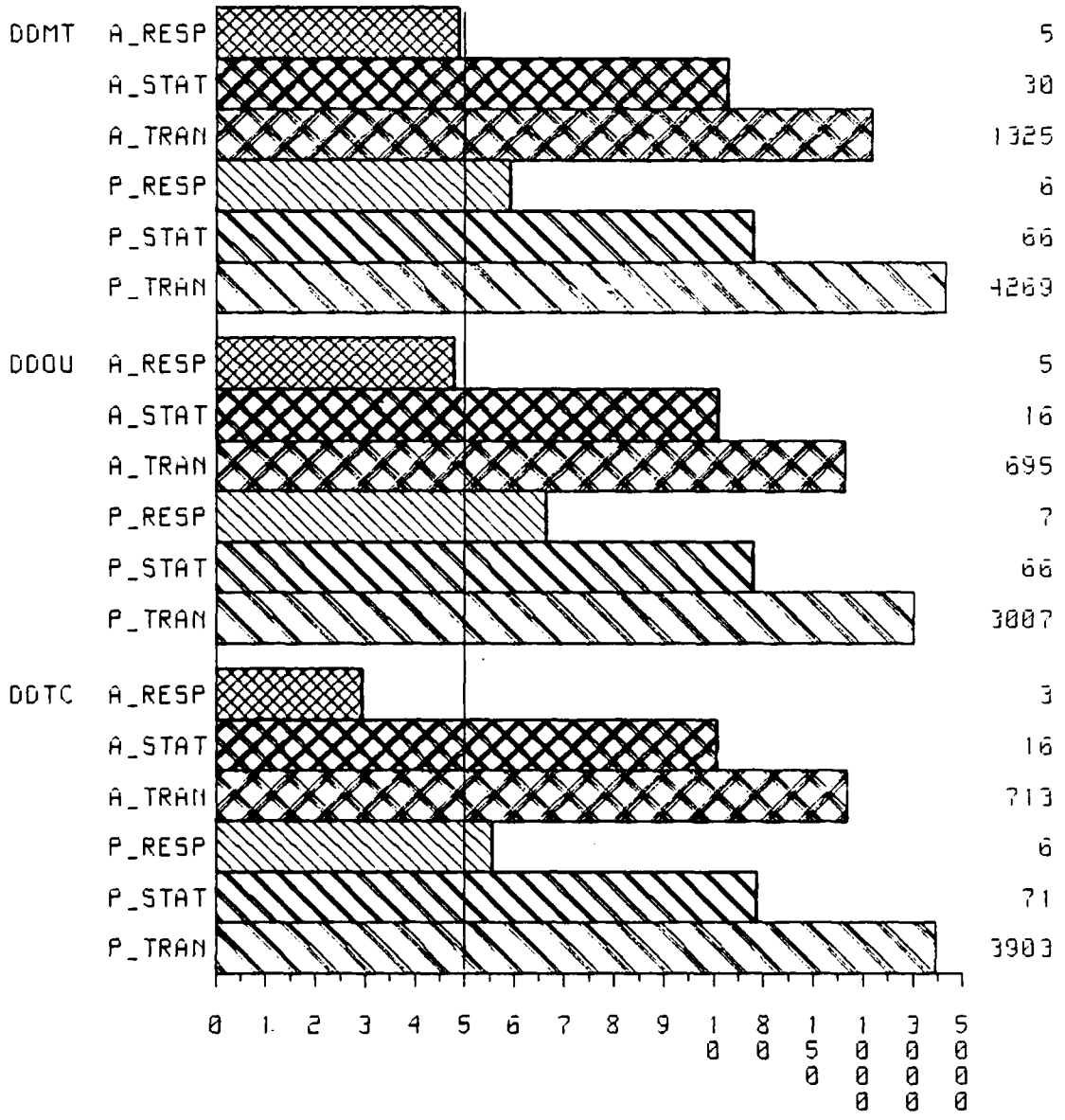
QTR ENDING 31DEC89



TIS--APCAPS--DEPOTS

PEAK HOUR & HOURLY AVERAGE

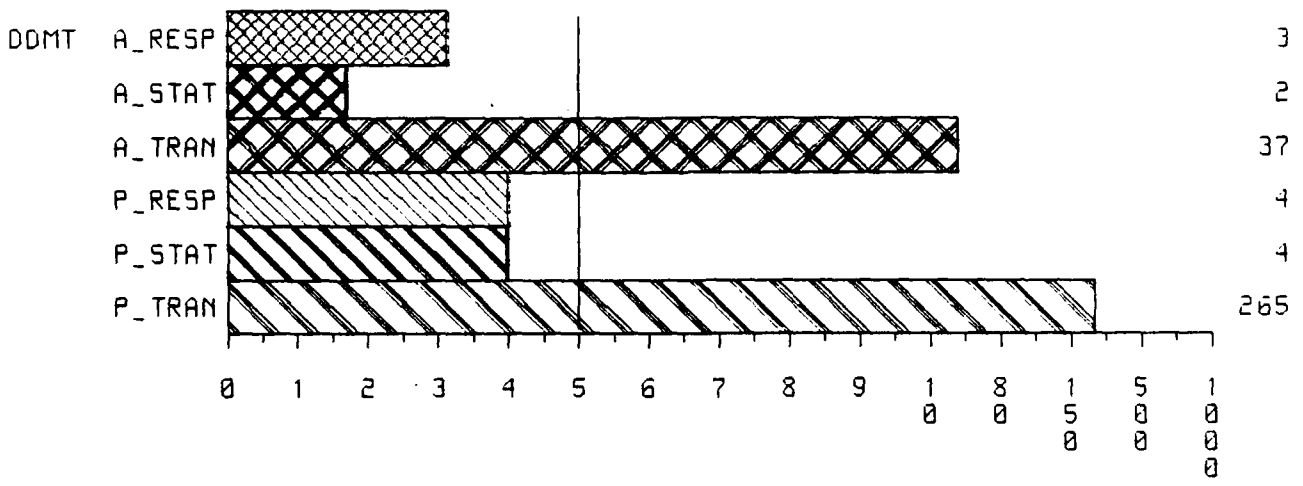
QTR ENDING 31DEC89



TIS--DIPEC

PEAK HOUR & HOURLY AVERAGE

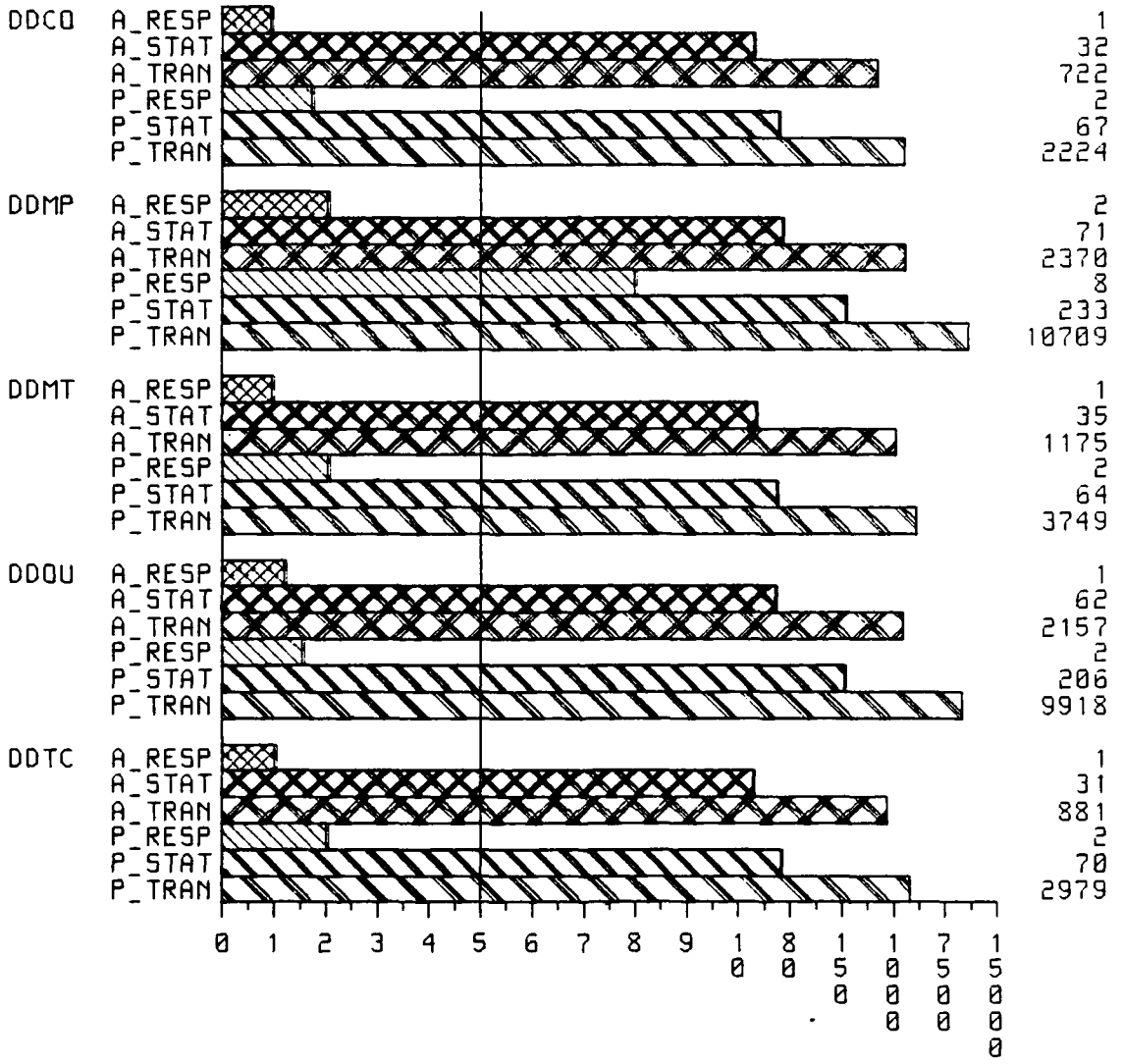
QTR ENDING 31DEC89



MOTAM--DWASP

PEAK HOUR & HOURLY AVERAGE

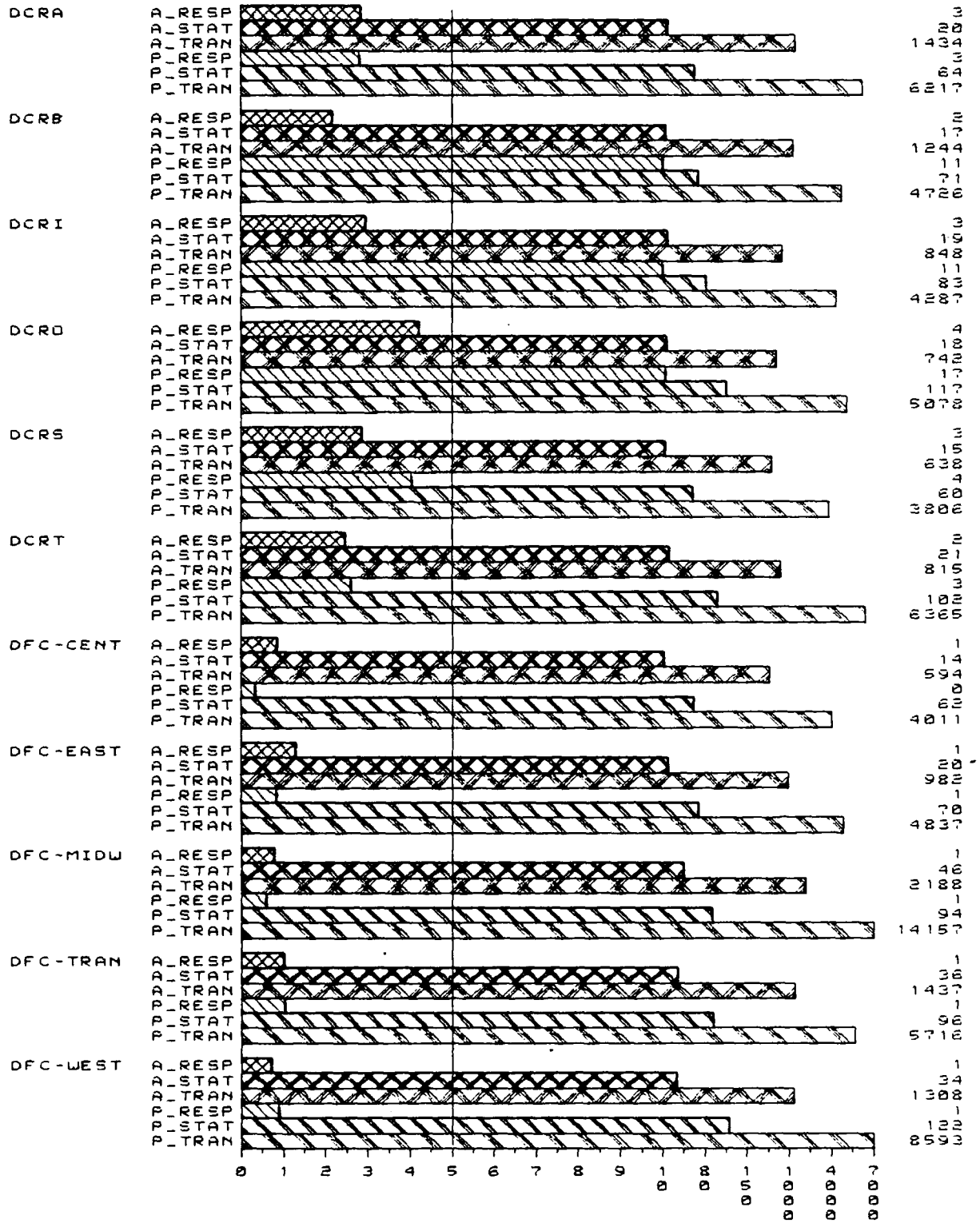
QTR ENDING 31DEC89



TIS--APCAPS--DCASRS

PEAK HOUR & HOURLY AVERAGE

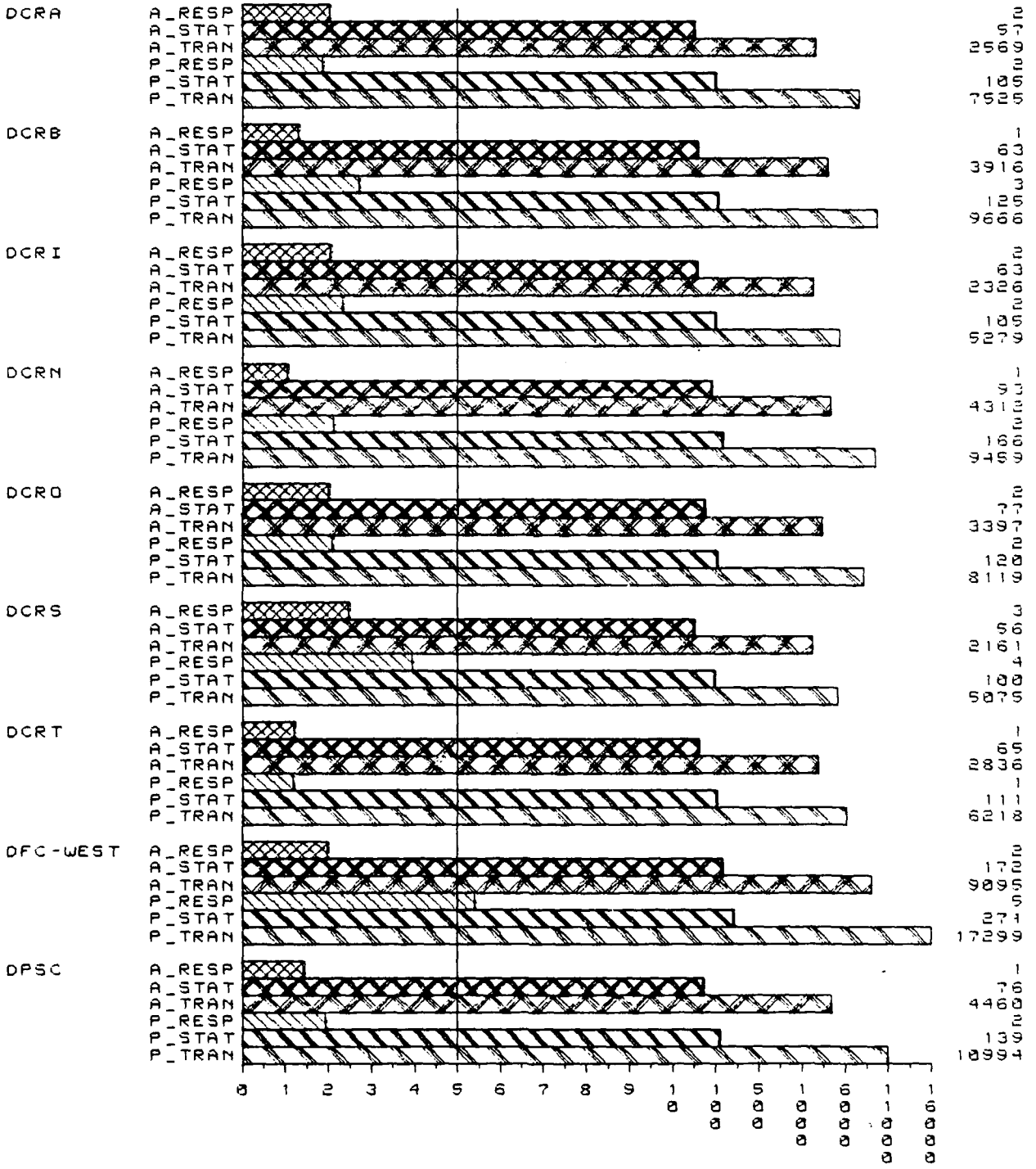
QTR ENDING 31DEC89



TIS--MOCAS--DCASRS

PEAK HOUR & HOURLY AVERAGE

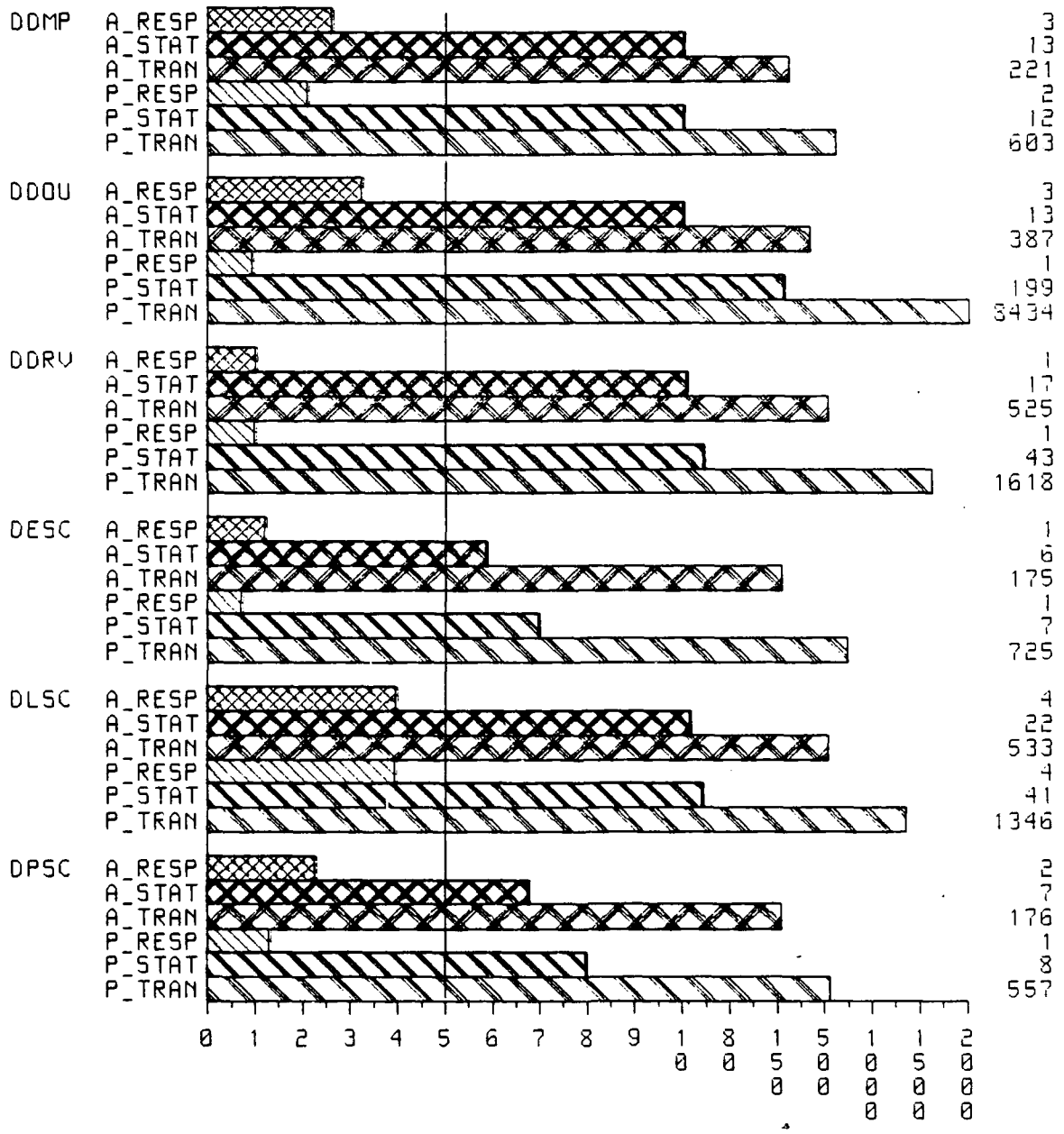
QTR ENDING 31DEC89



MOTAM--BOSS

PEAK HOUR & HOURLY AVERAGE

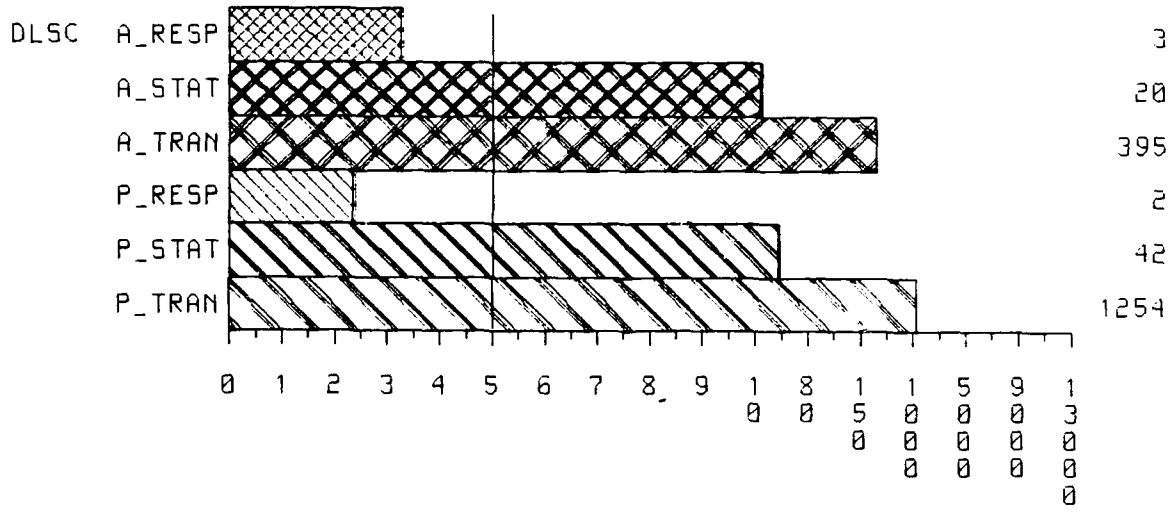
QTR ENDING 31DEC89



TIS--IRIS

PEAK HOUR & HOURLY AVERAGE

QTR ENDING 31DEC89



System Availability and Down-time Reports for Quarter Ending Dec 89

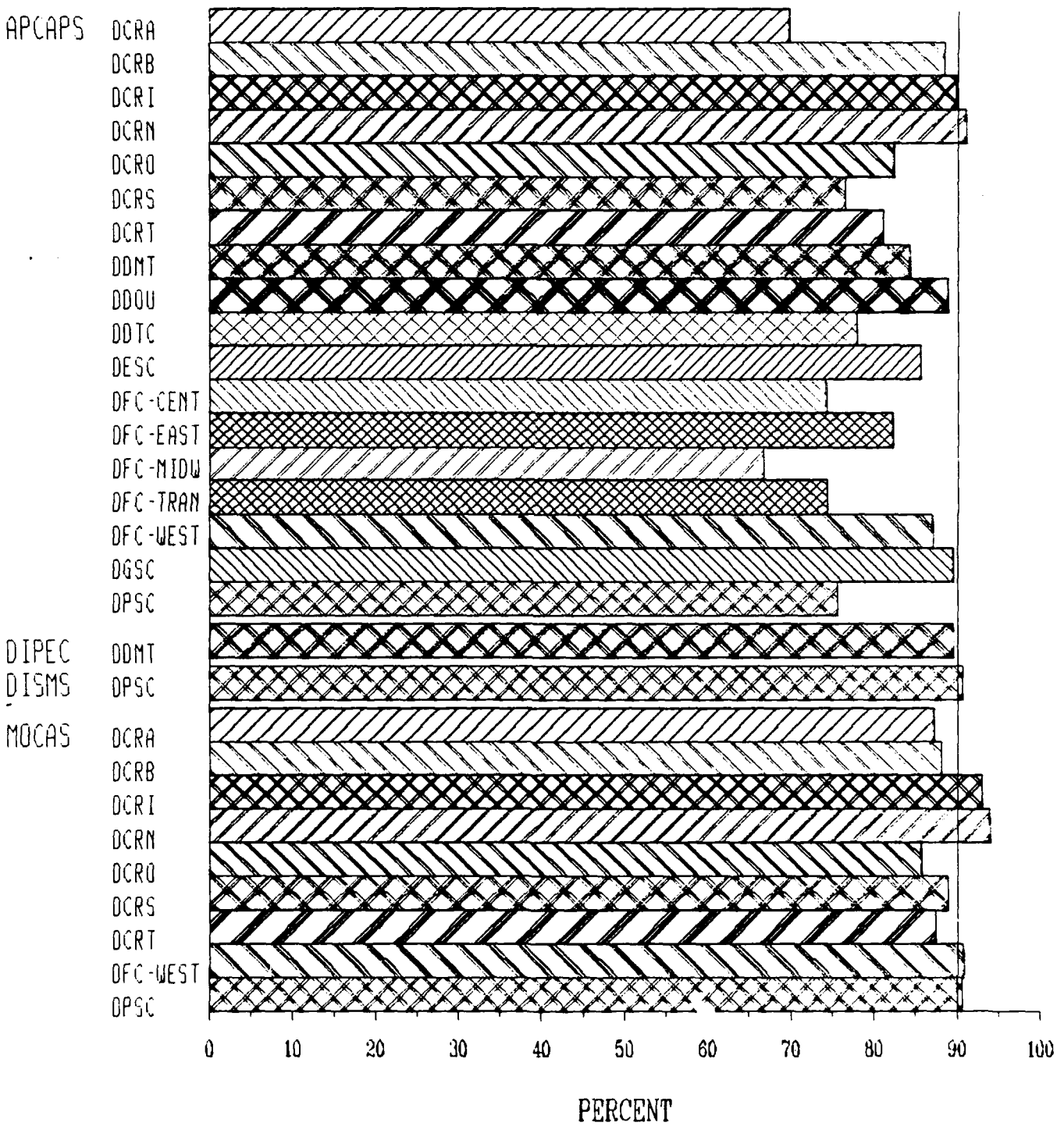
ONLINE APPLICATIONS AVAILABILITY

The Online Applications Availability charts are separated by teleprocessing monitor name, i.e., TIS and OTHER. Each chart shows the percent of the window (by cpuid) that the application was online. The timeframe for the window is Monday through Friday, 0700 - 1700.

ONLINE APPLICATIONS AVAILABILITY

FOR APPLICATIONS UNDER TP MONITOR TIS

QUARTER ENDING DEC 1989



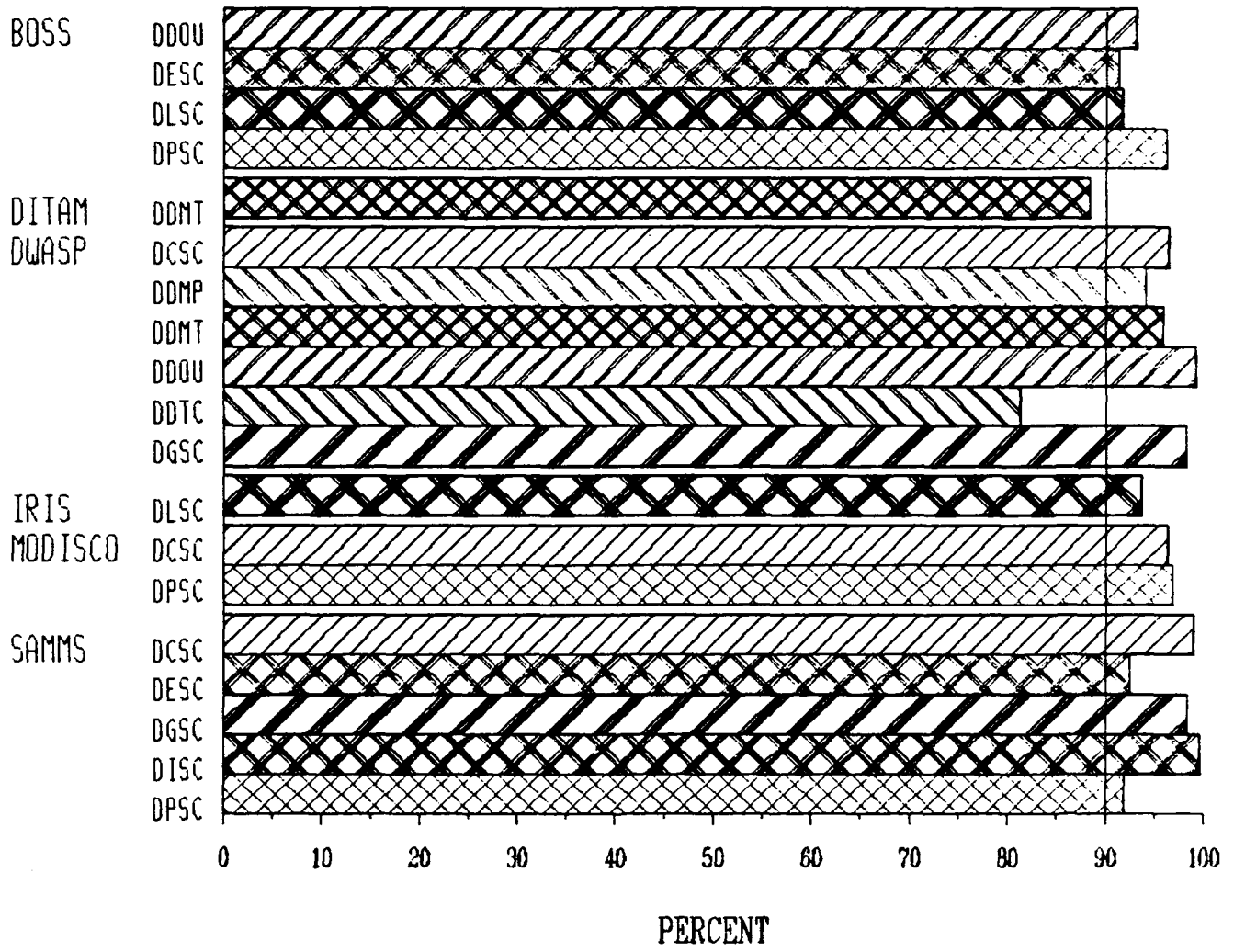
WINDOW = 7:00 - 17:00

MONDAY-FRIDAY

ONLINE APPLICATIONS AVAILABILITY

FOR APPLICATIONS UNDER TP MONITOR OTHERS

QUARTER ENDING DEC 1989



WINDOW = 7:00 - 17:00

MONDAY-FRIDAY

SYSTEM AVAILABILITY

The System Availability graphs are separated into four groups; CENTERS, DCASRs, DEPOTS, and SERVICE CENTERS.

The graphs display the following:

SYSTEM --- the reporting system, by cpuid. (ex. DCSC has two reporting systems, CSC0 and CSC1).

% AVAIL -- the percentage of hours in the quarter that the system was available. The calculation is as follows:

$$A = (T-D)/T*100$$

Where: A = % System Availability.
T = Total number of hours in the reporting period. Holidays are included for all sites; weekends are excluded for DCASRs only.
D = Total hours the system was down during the report period, based upon SMF records.

HOURS ---- the actual number of hours that a system was reported as available.

DOWNTIME CLASSIFICATIONS

The Downtime Classification charts are also separated by CENTERS, DCASRs, DEPOTS, and SERVICE CENTERS.

The downtime reports are scaled to 100%, to show detailed breakouts of the following categories:

ADMIN: Administrative activities (ex. holidays, weekends)

MISC: Downtime that cannot be put into another single category. (ex. operations error)

ENV: Environmental downtime (ex. air conditioning problems).

SOFT: Software problems.

HARD: Hardware problems.

TEST: System down due to testing.

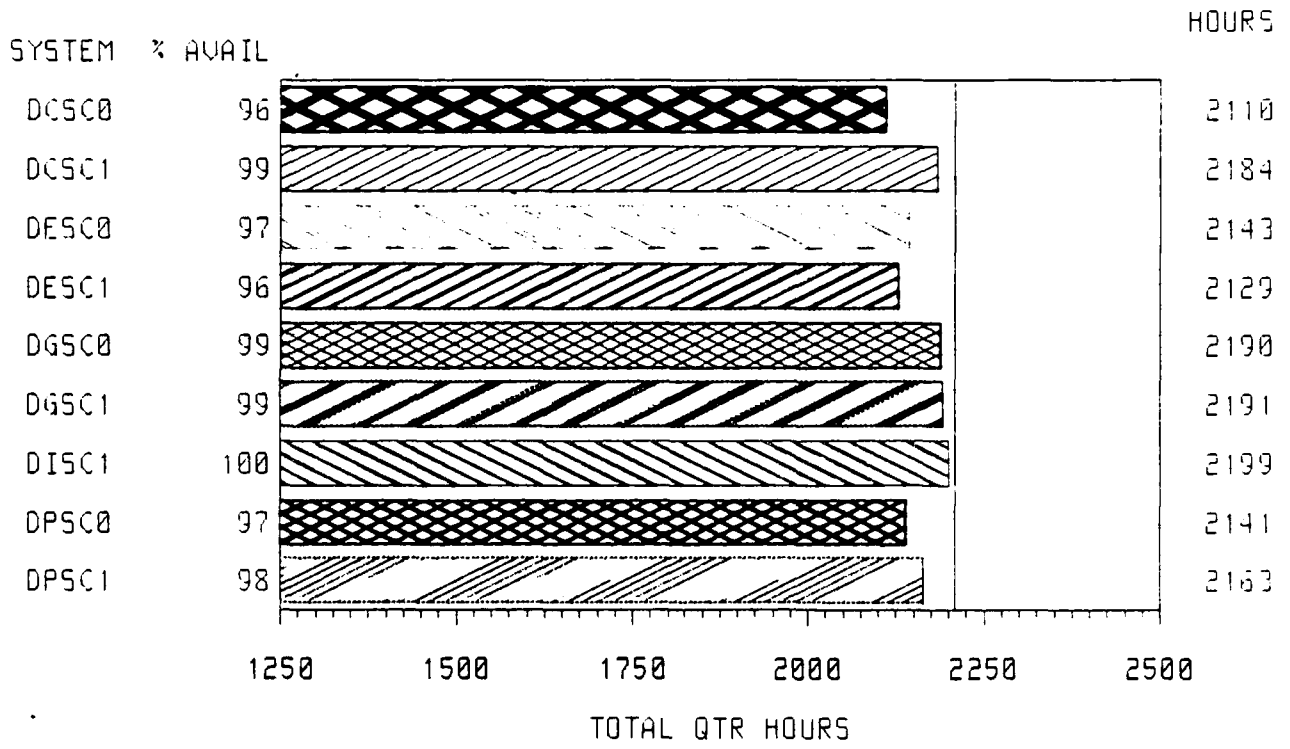
MAINT: System down due to maintenance.

UNDET: System down due to unidentified reasons.

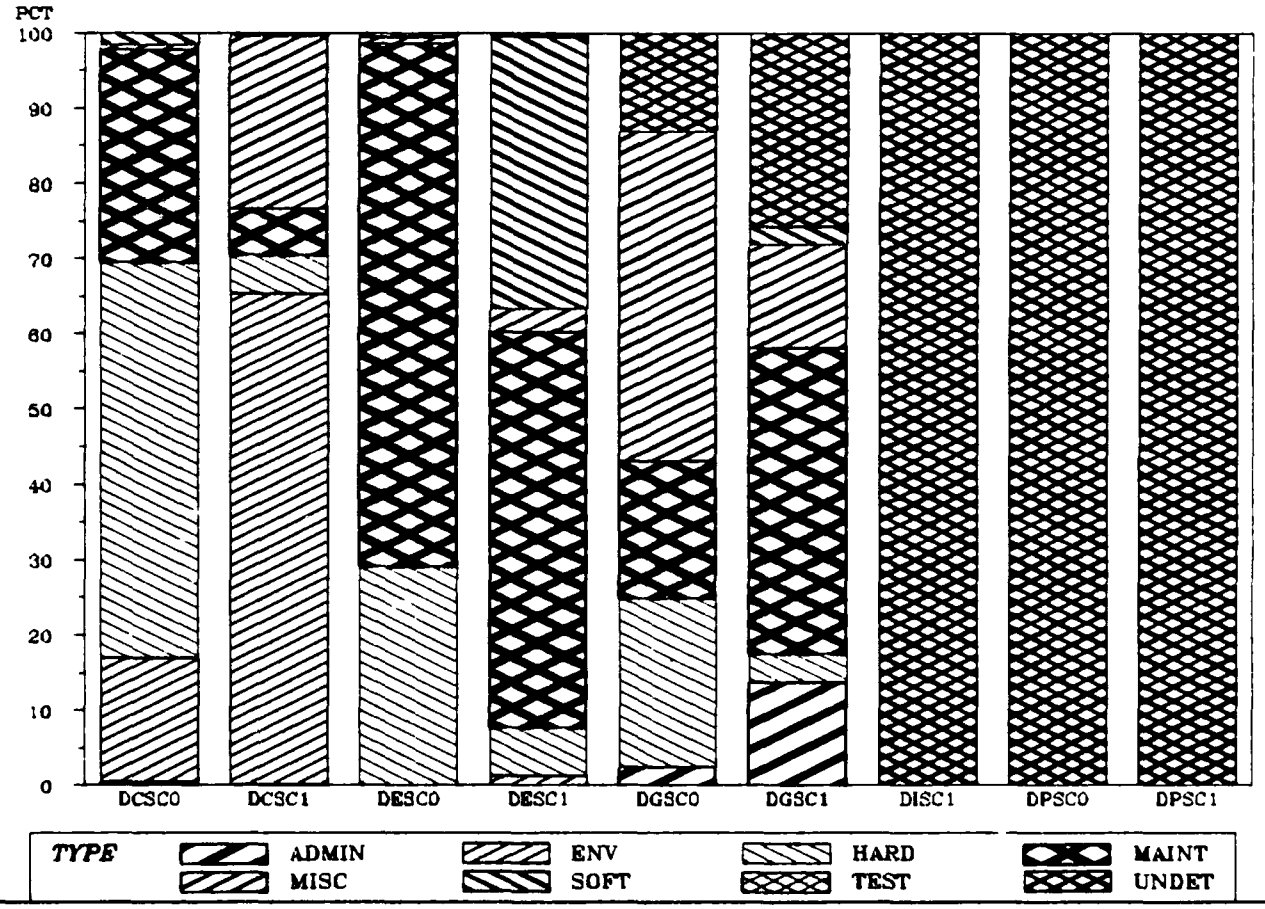
QUARTERLY SYSTEM AVAILABILITY

CENTERS

QUARTER ENDING DEC 1989



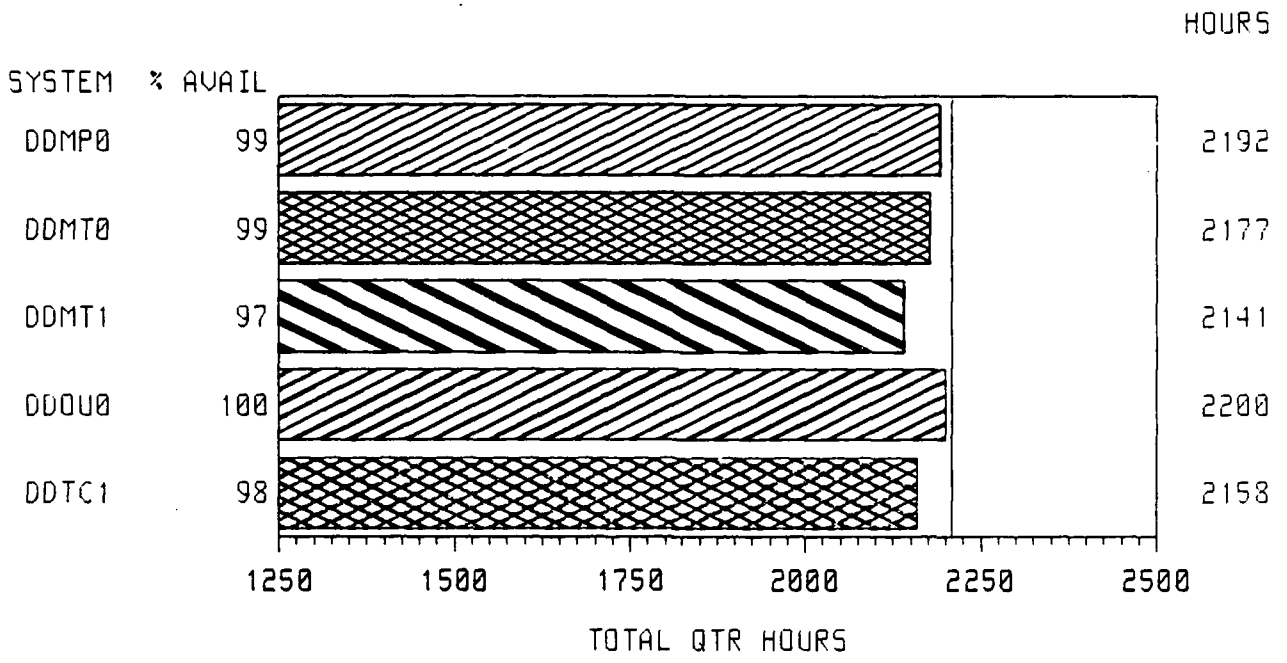
QUARTERLY DOWNTIME CLASSIFICATIONS



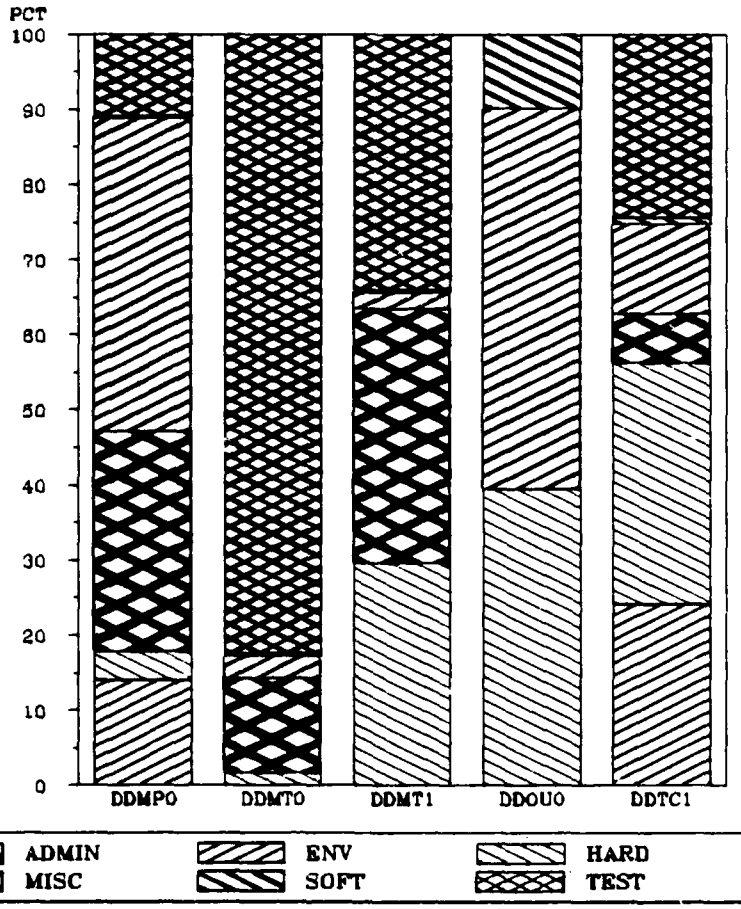
QUARTERLY SYSTEM AVAILABILITY

DEPOT

QUARTER ENDING DEC 1989



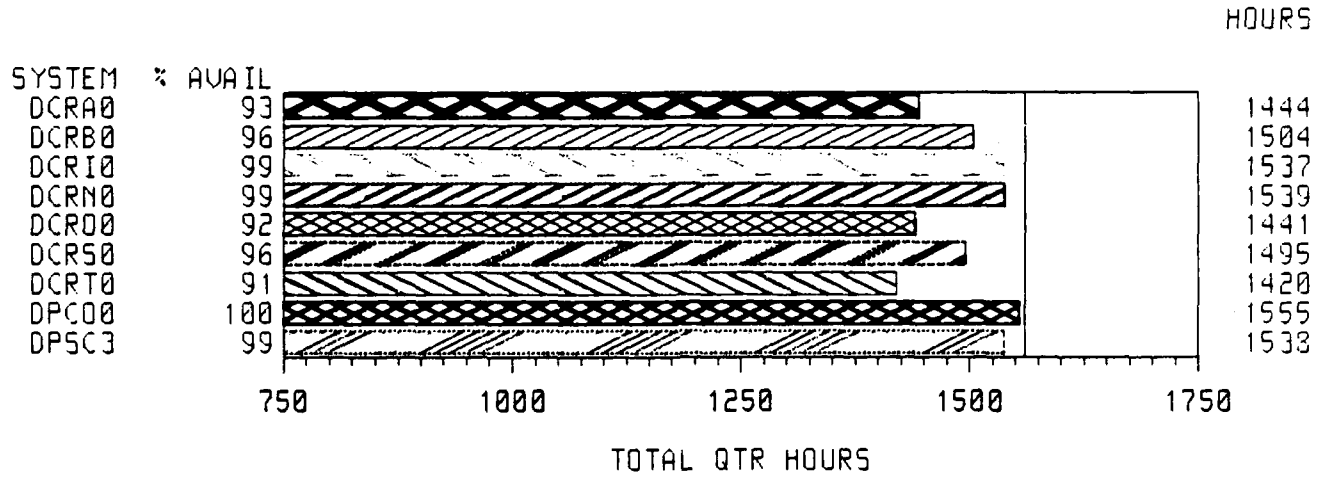
QUARTERLY DOWNTIME CLASSIFICATIONS



QUARTERLY SYSTEM AVAILABILITY

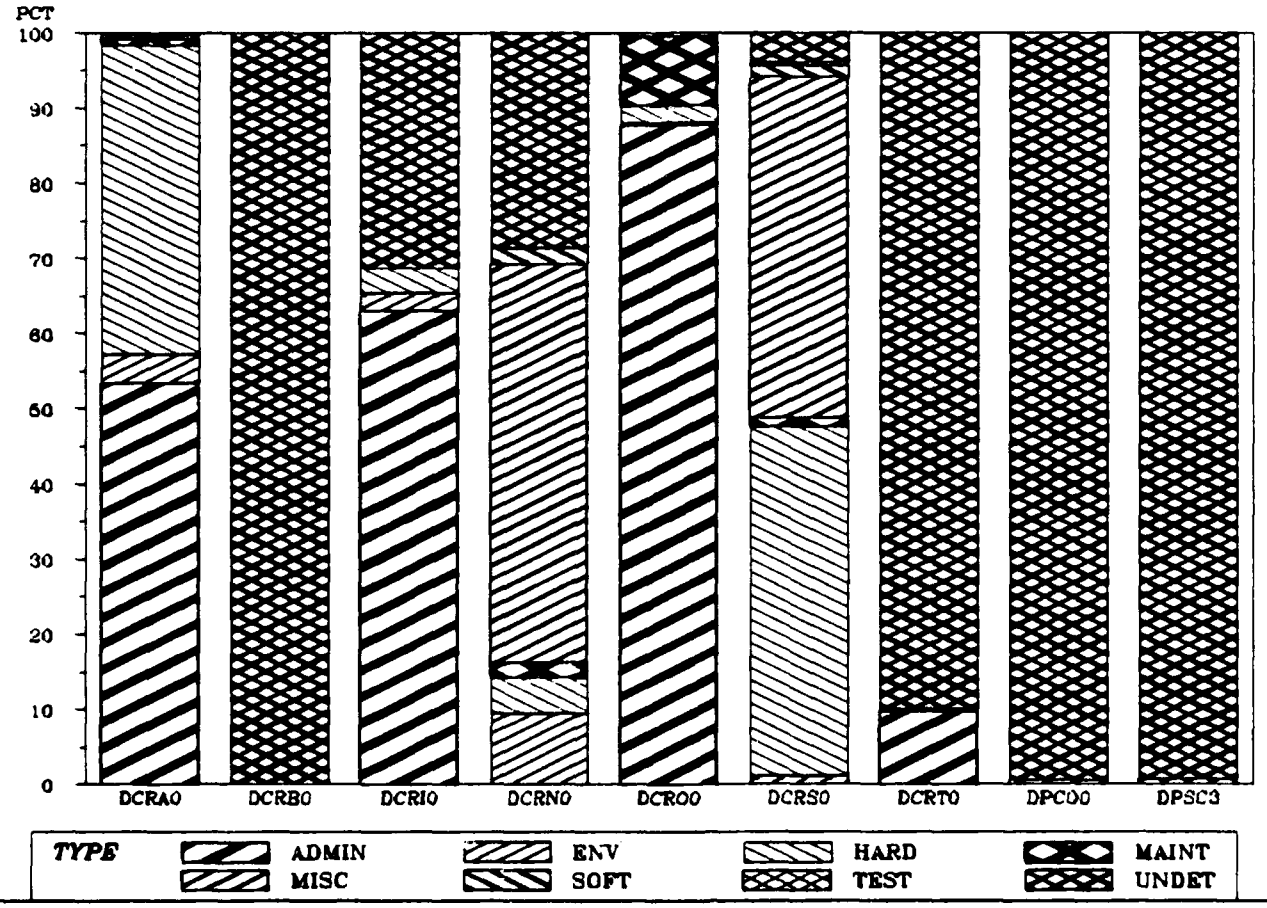
DCASRS

QUARTER ENDING DEC 1989



****WEEKENDS EXCLUDED****

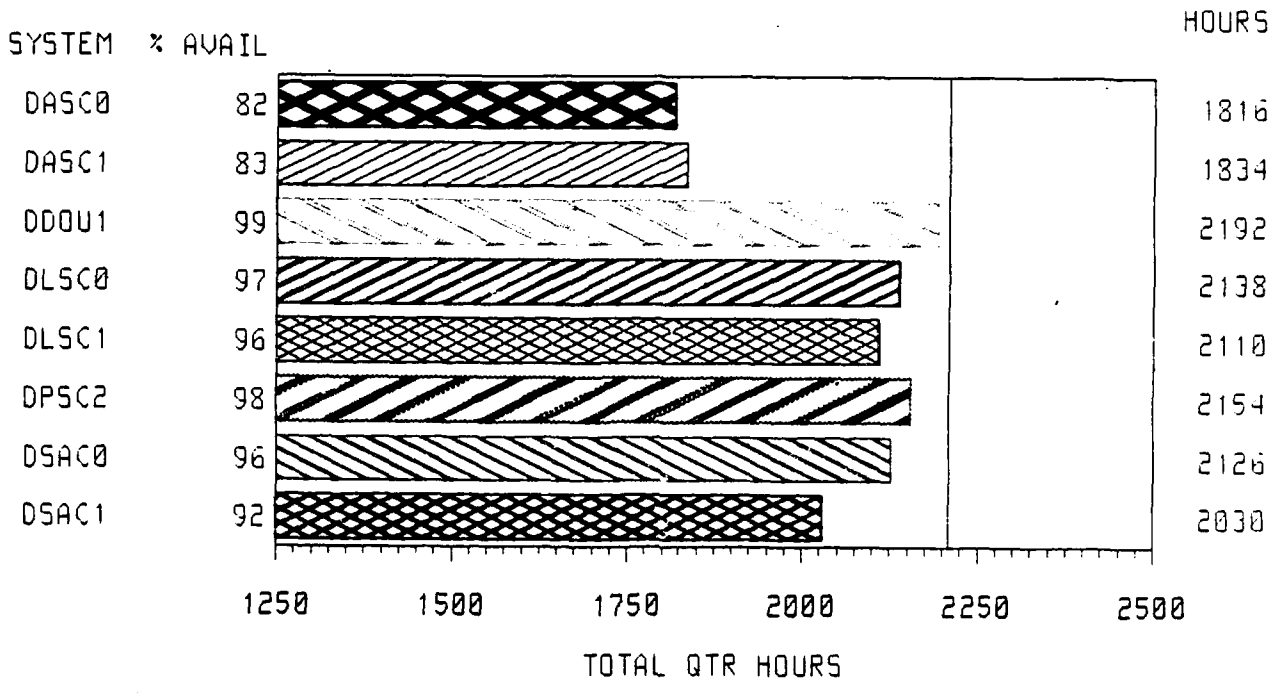
QUARTERLY DOWNTIME CLASSIFICATIONS



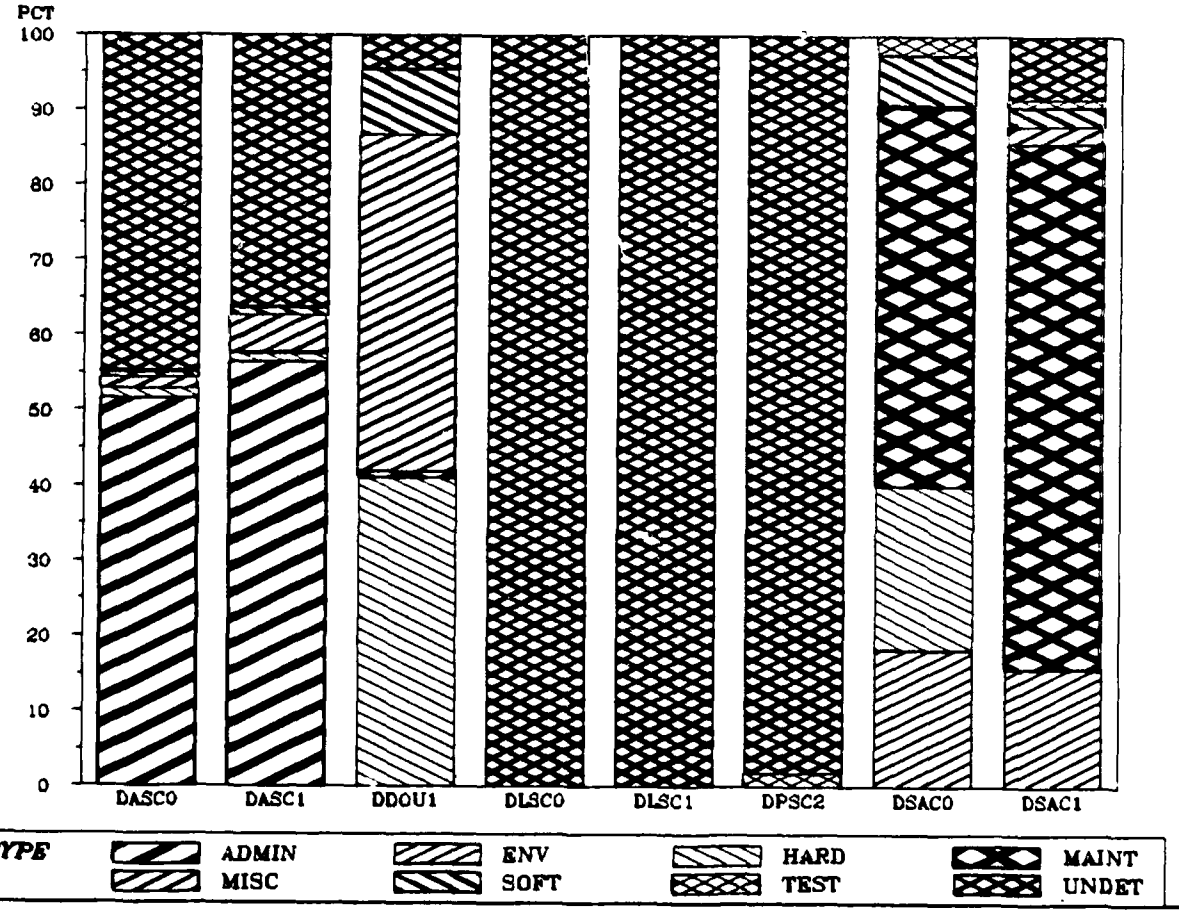
QUARTERLY SYSTEM AVAILABILITY

OTHERS

QUARTER ENDING DEC 1989



QUARTERLY DOWNTIME CLASSIFICATIONS



ABEND CHARTS

The following charts depict the total number of abends occurring during the quarter on each system. The abends have been evaluated, and found to be those occurring most often. The categories will be re-evaluated periodically to ensure that all abends occurring frequently are featured in the proper groups. The general group descriptions, and specific abends included in each group are located below.

DASD SPACE - The primary causes for this type of abend are that sufficient DASD (Direct Access Storage Device) space was not available, or that the user did not request enough space. This category includes the following abend codes:

- ***S0B37*** - all space on volume used -or- data set at 16 extents
- ***S0D37*** - no secondary space requested
- ***S0E37*** - PDS out of space
- ***S0B14*** - no space in directory

PROGRAM ERROR - Programmer errors in data manipulation usually cause this type of abend. The codes included in this category are ***S00Cx***.

CONTROL ERROR - These abends are typically caused by incorrect JCL (Job Control Language) or DCB (Data Control Block) parameters. This category includes the following abend codes:

- ***S0013*** - open error
- ***S0806*** - load module not found
- ***S0813*** - open error on magnetic tape
- ***S0213*** - I/O error - requested dataset not found on volume indicated by cat or DD
- ***S030A*** - GETMAIN error
- ***S0913*** - security violation
- ***S0522*** - wait time exceeded specified maximum
- ***S080A*** - GETMAIN error

OPERATOR CANCEL - These abends are caused when an operator cancels a job, and the category consists of the following codes:

- ***S0122*** - cancel with a dump
- ***S0222*** - cancel without a dump

I/O MEDIA - These abends typically consist of I/O errors, and are often caused by incorrect user code. The codes included in this category are as follows:

S0001 - physical (media) -or- logical (get after EOF or recsize conflict)

S0B13 - open error on UCS printer

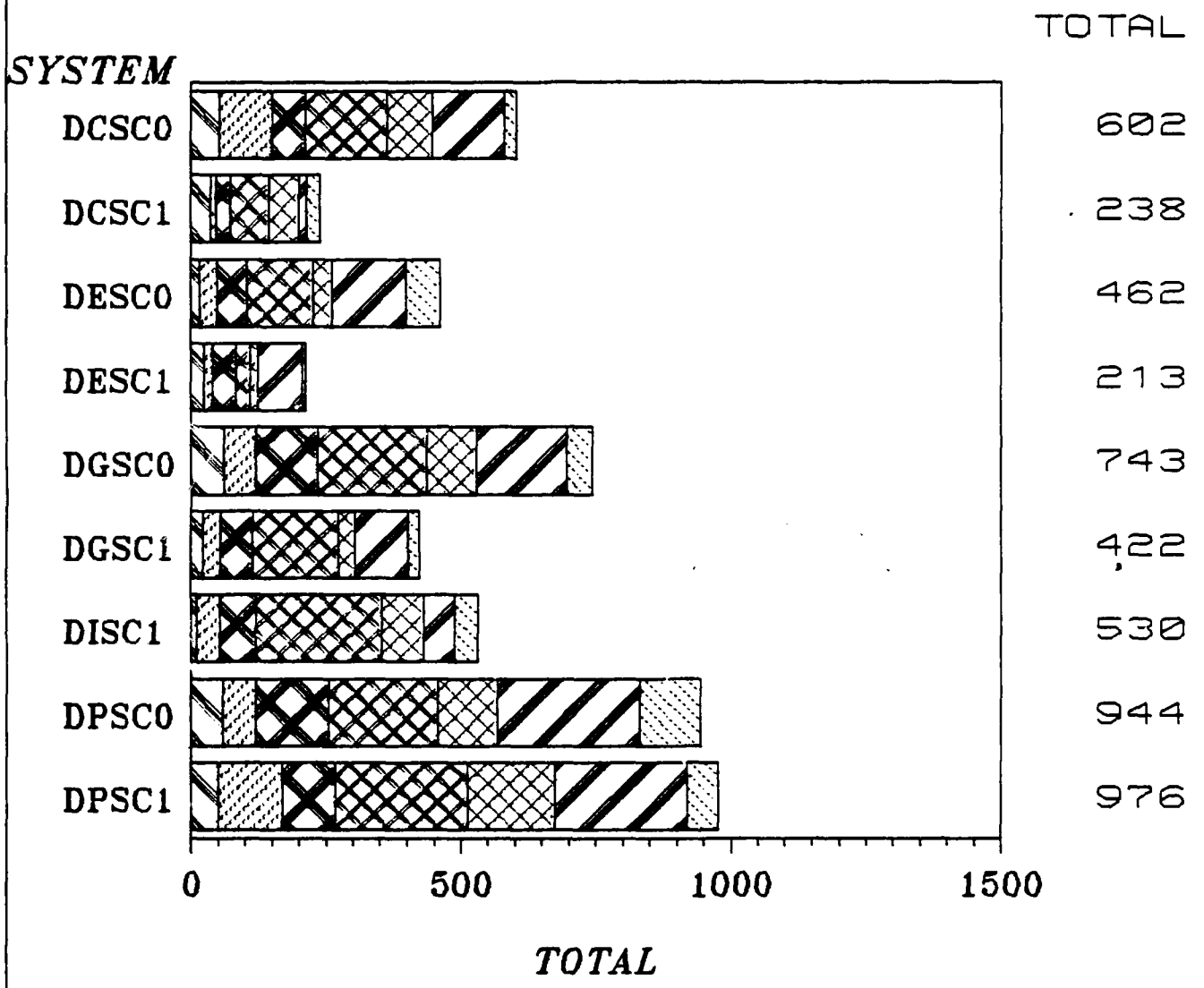
S0413 - open error - DASD or Magnetic Tape (I/O error or logical inconsistency)

USER SPECIFIED - These abend codes are specified by the programmer or program procedures. The codes included in this category are ***Uxxxx***.

MISCELLANEOUS - ***all other abends.***

CENTER ABENDS

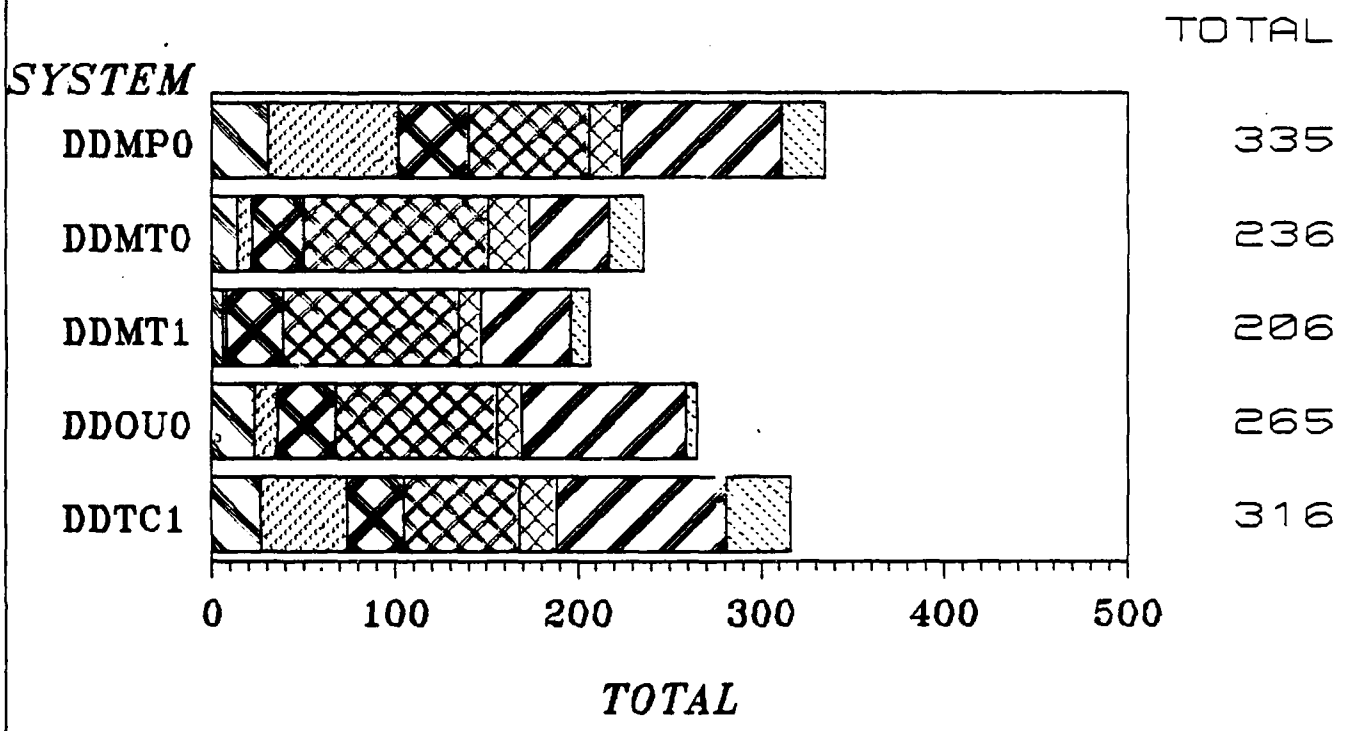
MONTH ENDING DEC 89

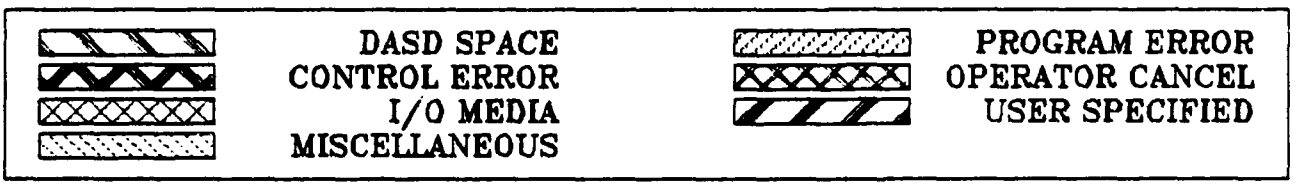


DASD SPACE
CONTROL ERROR
I/O MEDIA
MISCELLANEOUS
PROGRAM ERROR
OPERATOR CANCEL
USER SPECIFIED

DEPOT ABENDS

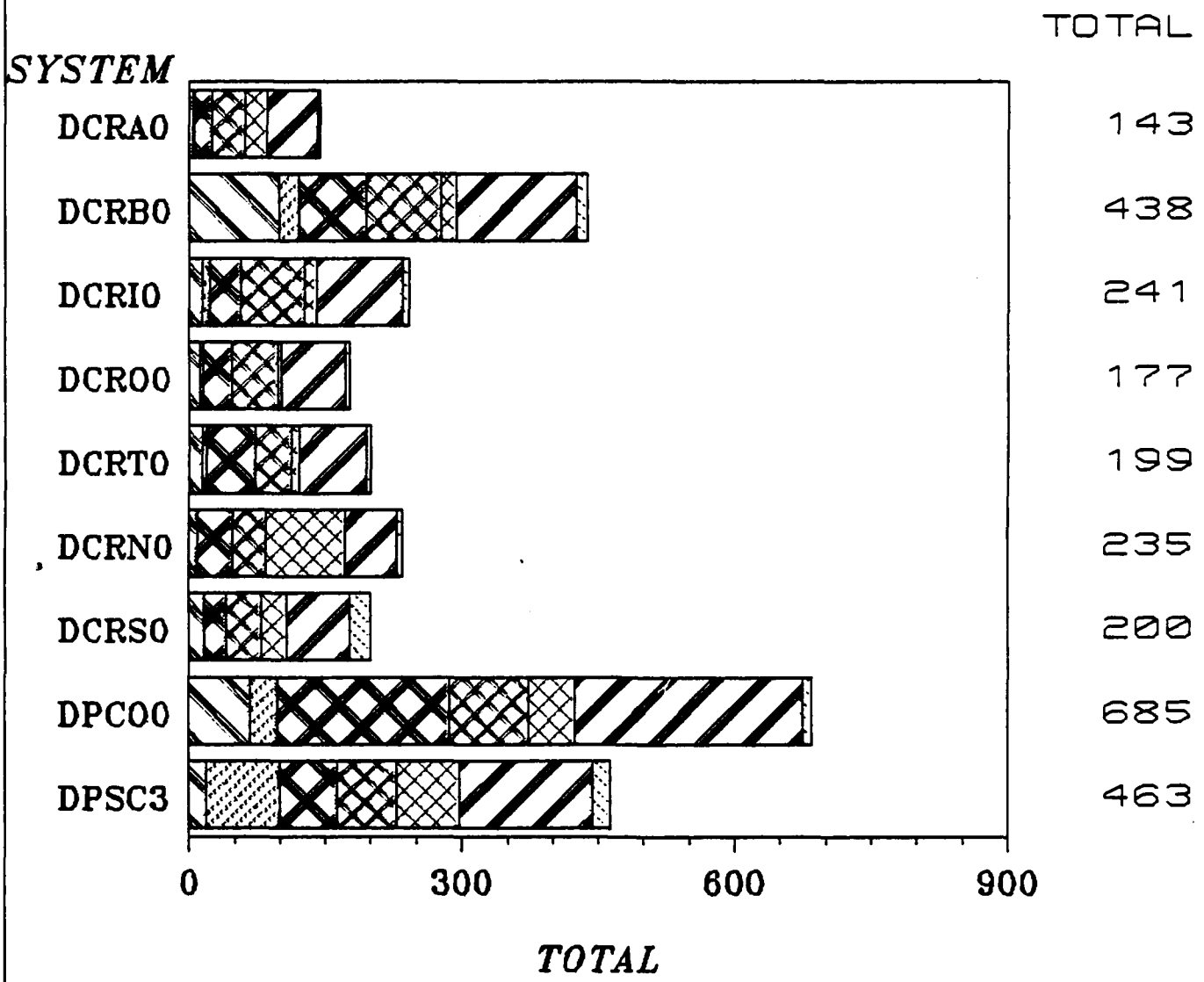
MONTH ENDING DEC 89





DCASR ABENDS

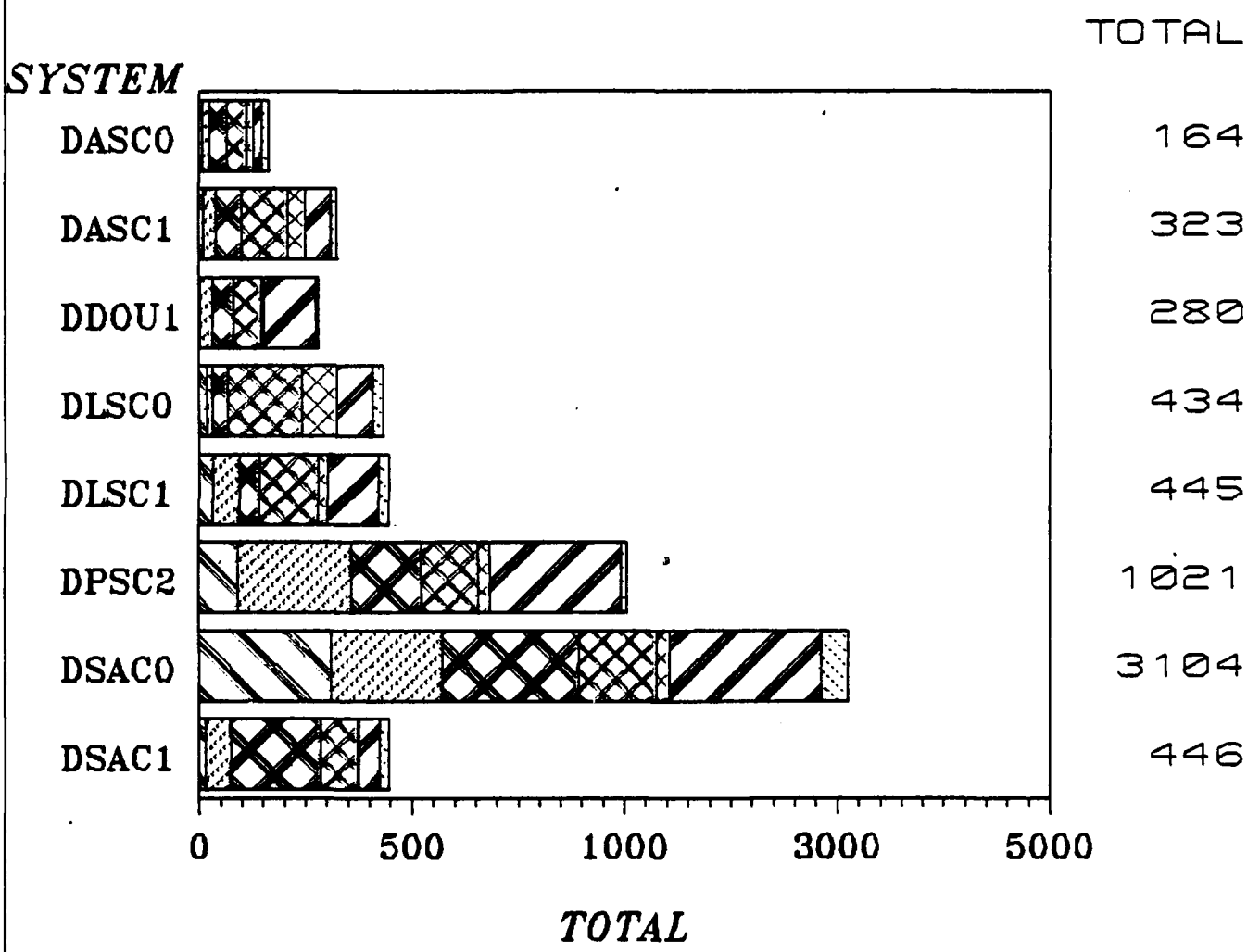
MONTH ENDING DEC 89

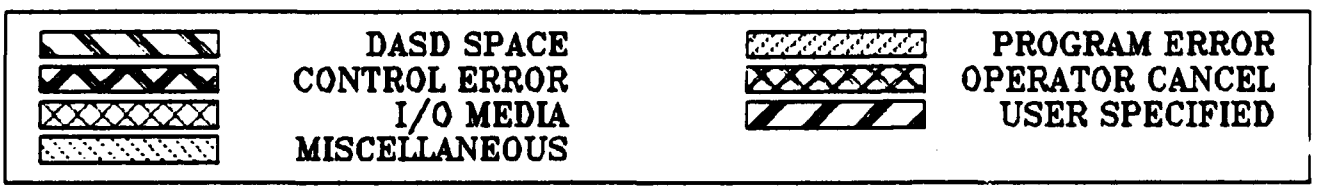


DASD SPACE
CONTROL ERROR
I/O MEDIA
MISCELLANEOUS
PROGRAM ERROR
OPERATOR CANCEL
USER SPECIFIED

OTHER ABENDS

MONTH ENDING DEC 89





SYSTEM ABENDS BY CPUID

The System Abends by CPUID charts are separated by CENTERS, DCASRs, DEPOTS, and SERVICE CENTERS. The charts show the total number of abends reported for the quarter by cpuid.

ABENDS BY MAJOR WORKLOAD

The Abends by Major Workload charts are separated by CENTERS, DCASRs, DEPOTS, and SERVICE CENTERS.

The abends by workload are scaled to a 100% chart. Of the total number of system abends, the abends are subdivided by the major workload that was executing at the time that the abend occurred. The five major workloads are as follows:

NON-STANDARD: Non-Standard AIS batch jobs.

STANDARD: SAIS batch jobs (i.e., Standard Automated Materiel Systems, Automated Payroll Cost and Personnel Systems, Mechanization of Contract Administration Services, Defense Industrial Plant Equipment Center, etc.). O-STD means other SAISs such as Factory.

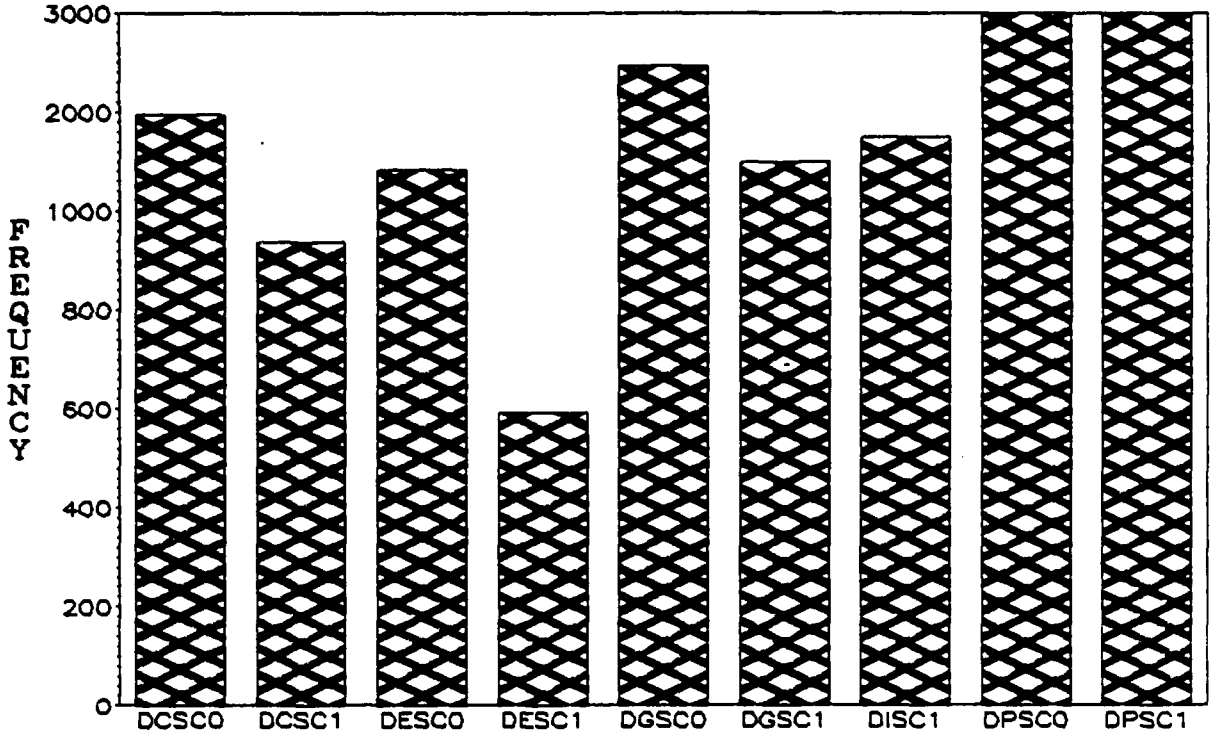
ONLINE: Refers to "online" applications (i.e. database management systems, Total Information System (TIS), or the teleprocessing monitor, Time Sharing Option (TSO)).

SUPPORT: Work required to support the system (i.e., Job Entry Subsystem (JES), Telecommunications Access Method (TCAM), Virtual Telecommunications Access Method (VTAM), Housekeeping (HSK), etc.). STC means system-started tasks such as JES, TCAM, and Chained Job Scheduler. HSK includes dumps and all general housekeeping tasks.

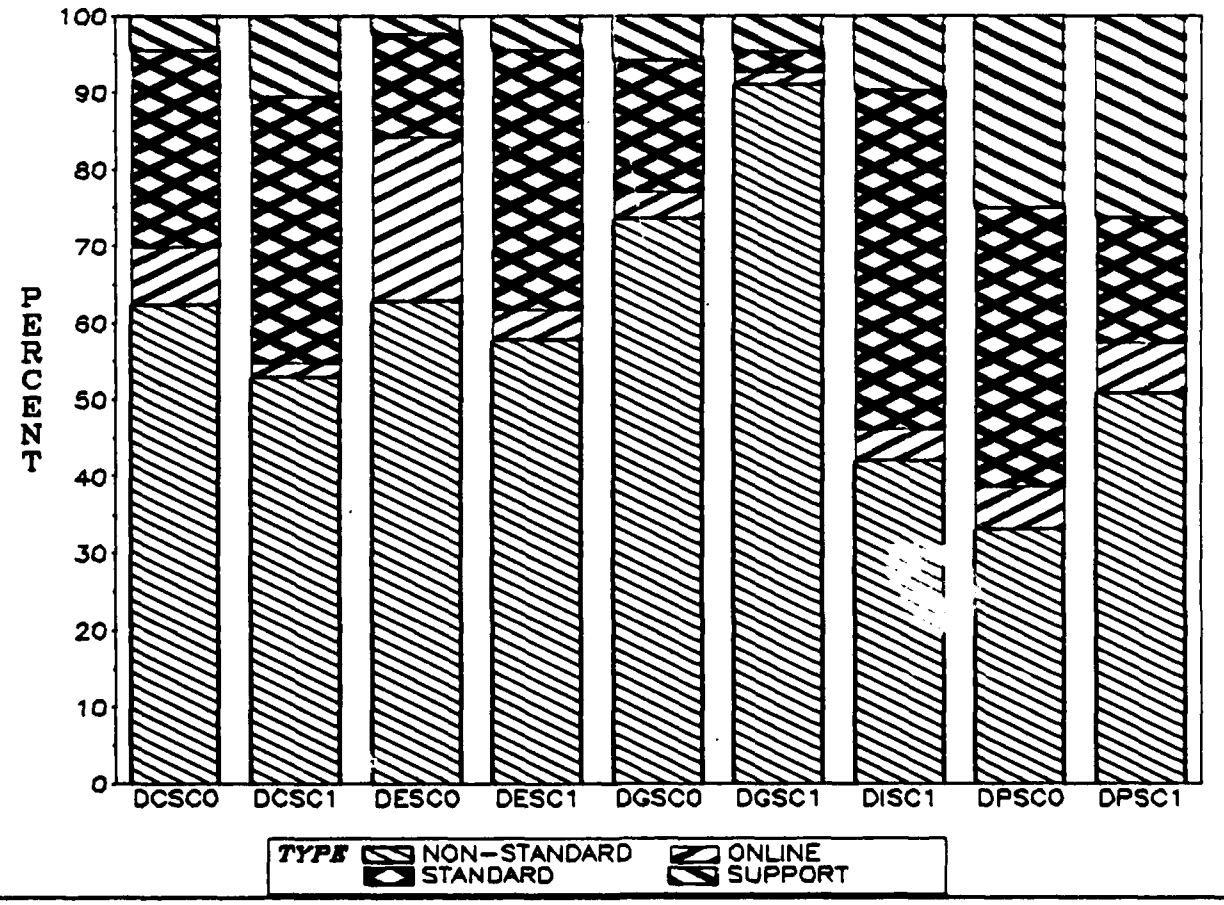
TOTAL ABENDS BY CPUID

QUARTER ENDING DEC 1989

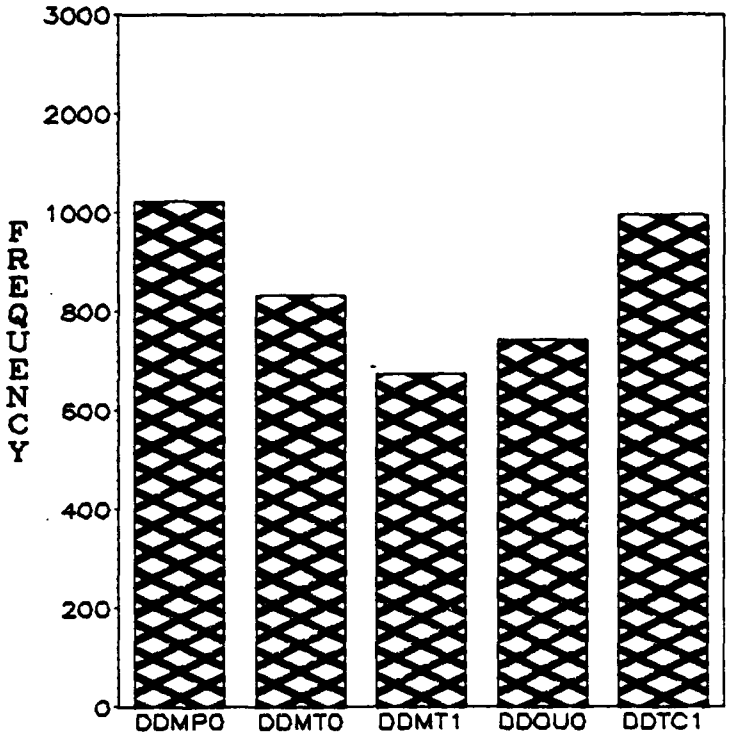
SITE= CENTER



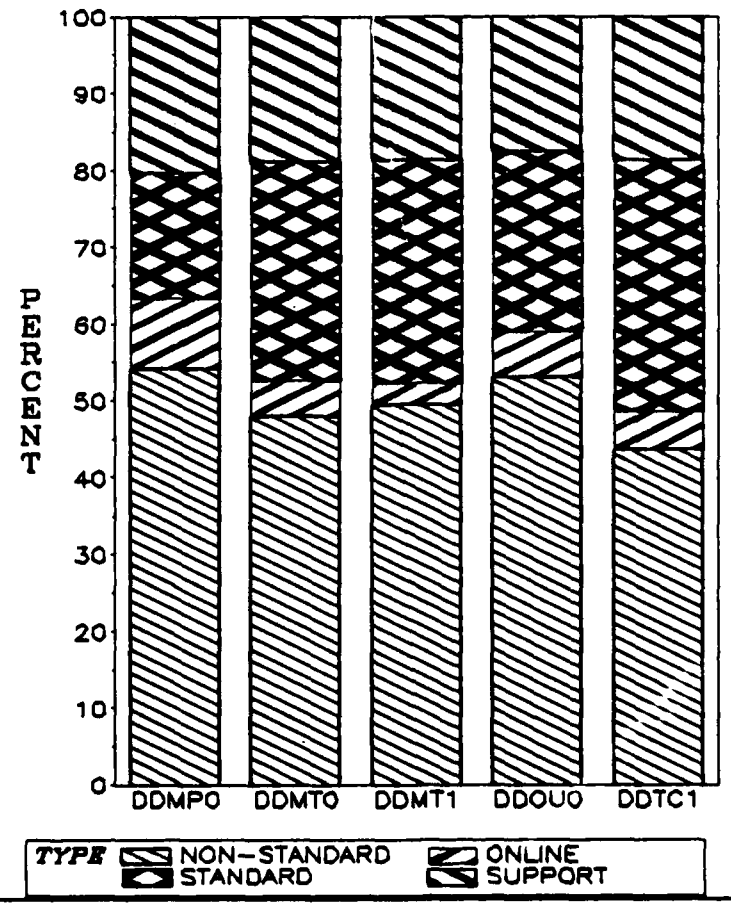
ABENDS BY MAJOR WORKLOAD



TOTAL ABENDS BY CPUID
QUARTER ENDING DEC 1989
SITE= DEPOT



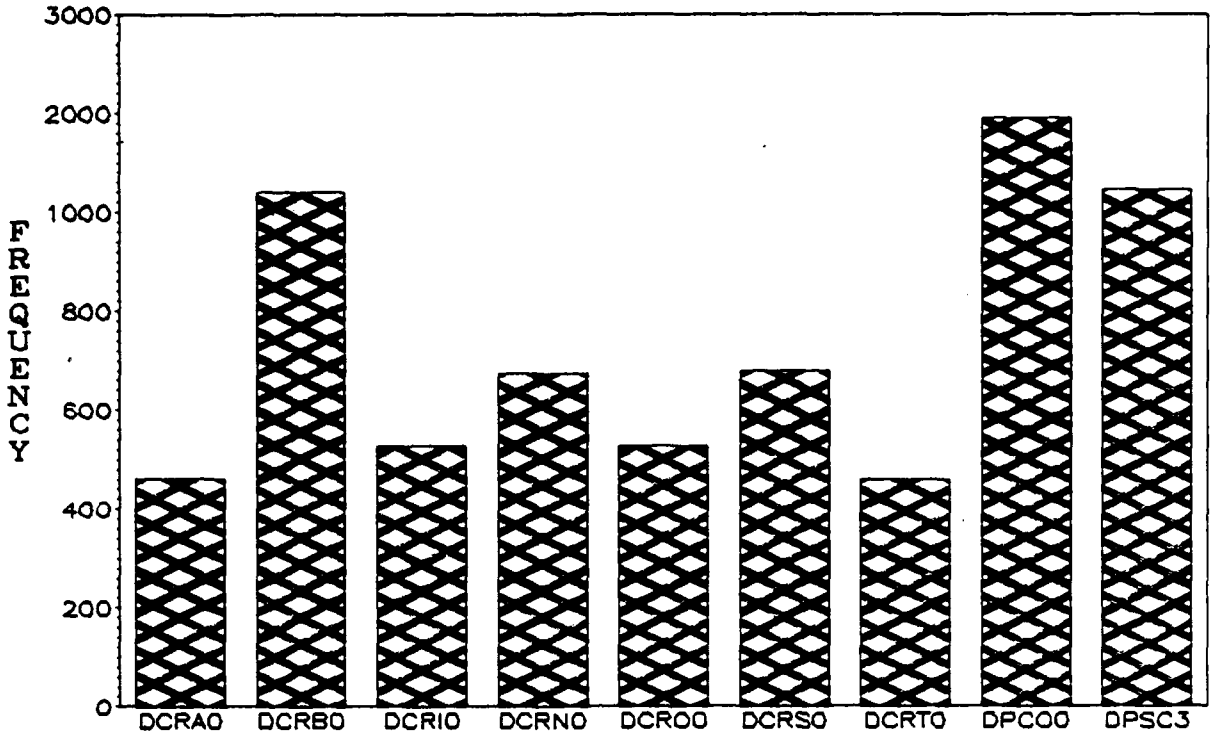
ABENDS BY MAJOR WORKLOAD



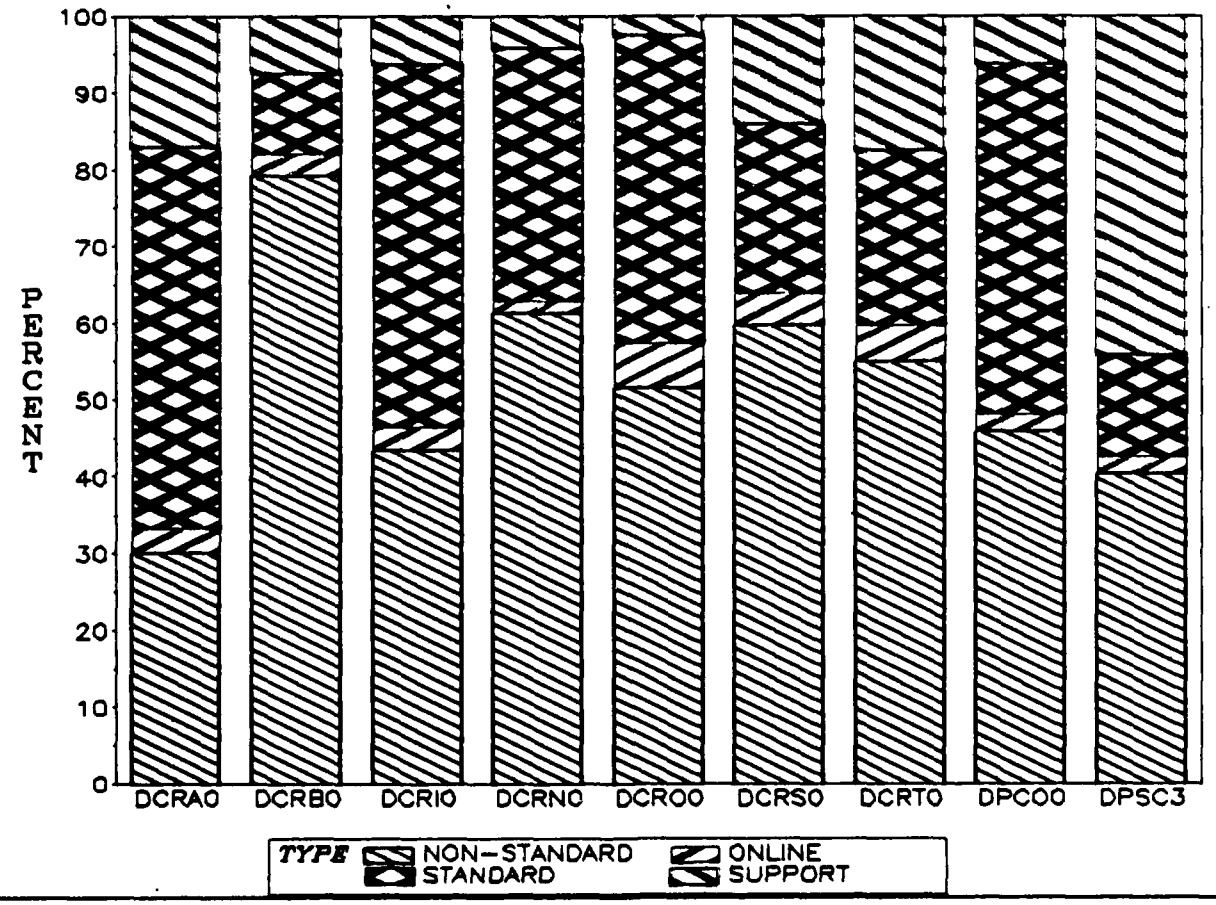
TOTAL ABENDS BY CPUID

QUARTER ENDING DEC 1989

SITE= DCASR



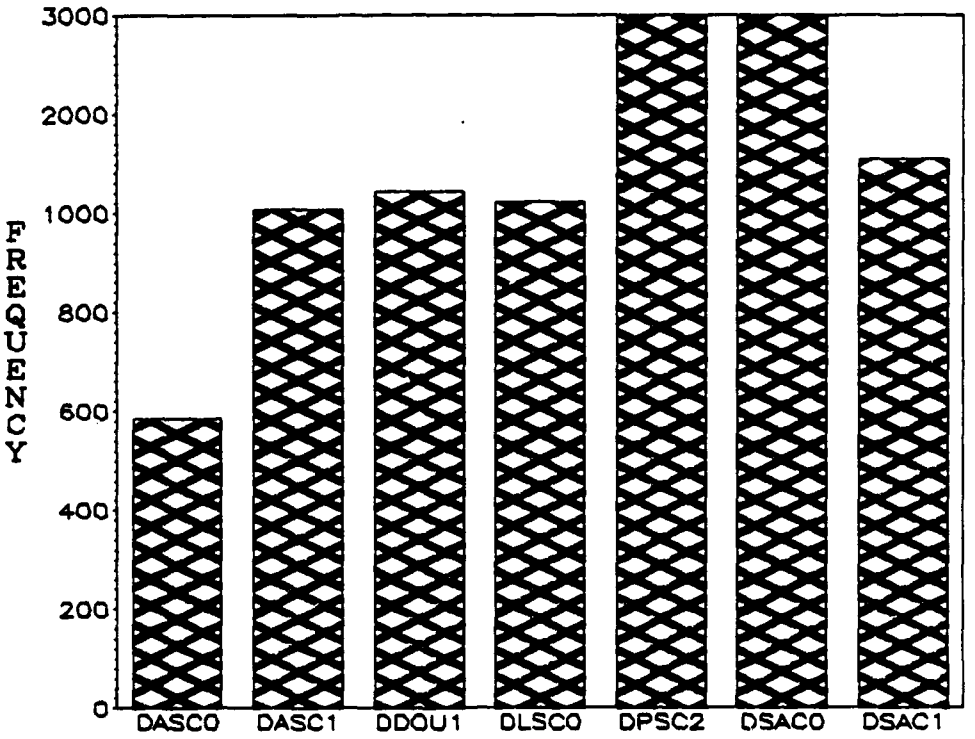
ABENDS BY MAJOR WORKLOAD



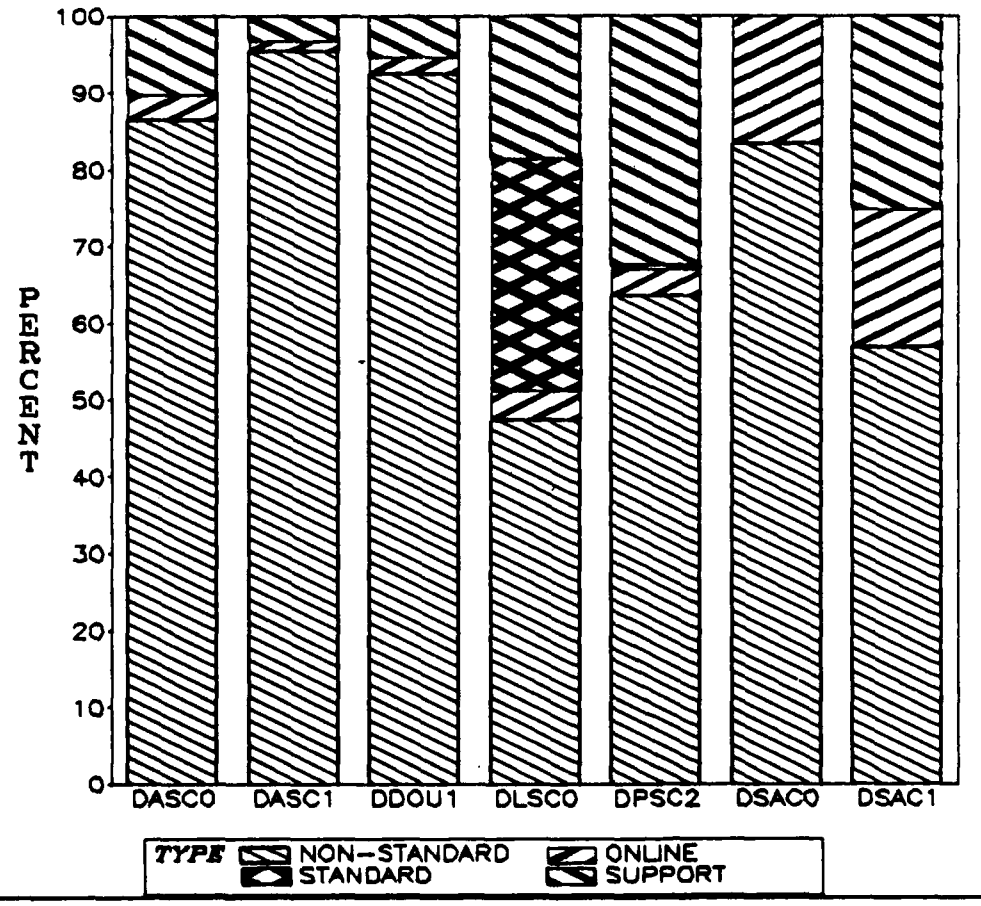
TOTAL ABENDS BY CPUID

QUARTER ENDING DEC 1989

SITE= OTHER



ABENDS BY MAJOR WORKLOAD



INTERCOMM/SAMMSTEL Data for Quarter Ending Dec 89

Description for **INTERCOMM/SAMMSTEL.**

Top two charts: ***AVERAGE TRANSACTIONS***

These charts plot the estimated hourly transaction average by day for the quarter for each SAMMS site. A transaction is defined as a logical unit of work to the INTERCOMM monitor.

Lower left: ***TRANSACTIONS***

This graph depicts the estimated hourly average of transactions per day, along with the maximum number of transactions observed for an hour during the quarter. Please note the sliding scale along the vertical axis labeled '# TRANS'.

Lower right: ***USERS***

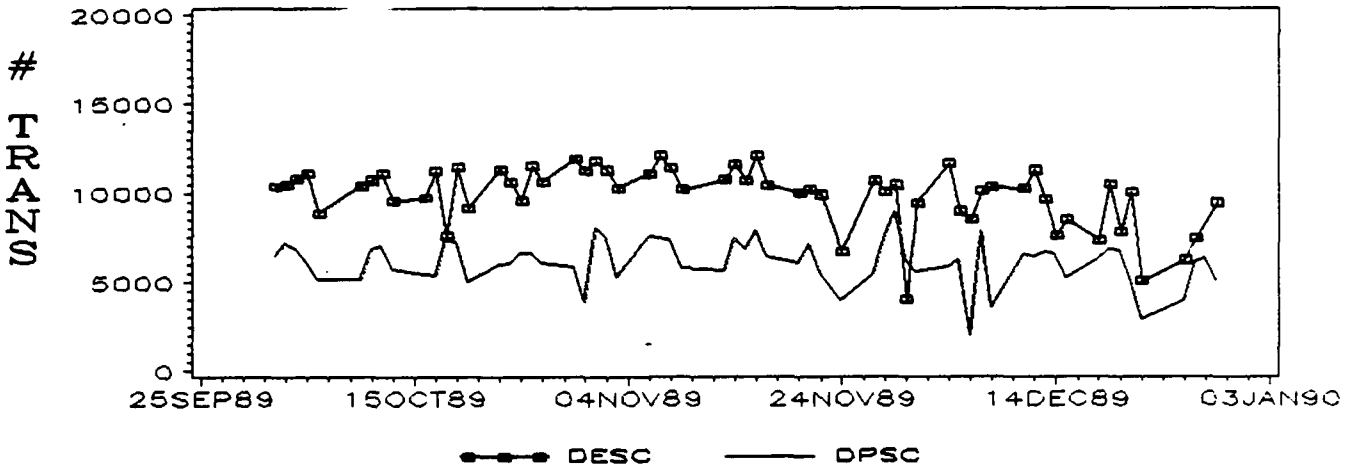
This graph depicts the average of the number of users observed during each five minute sampling interval for the quarter. It also shows the maximum number of users observed for any five minute interval in the quarter.

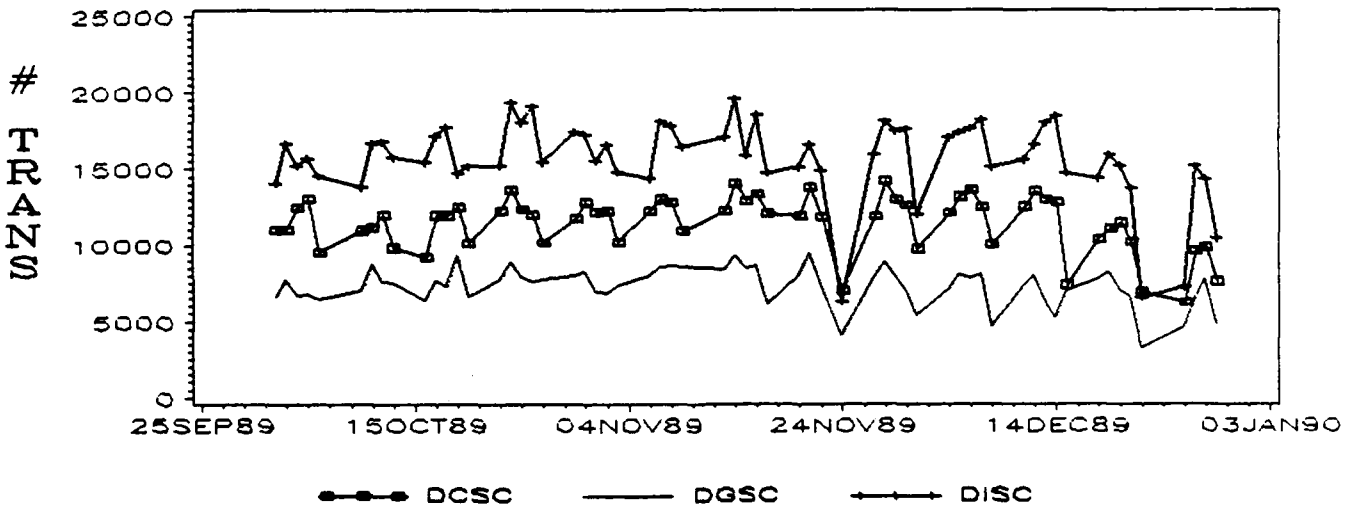
****** WEEKENDS AND HOLIDAYS ARE EXCLUDED ON ALL CHARTS ******

INTERCOMM/SAMMSTEL

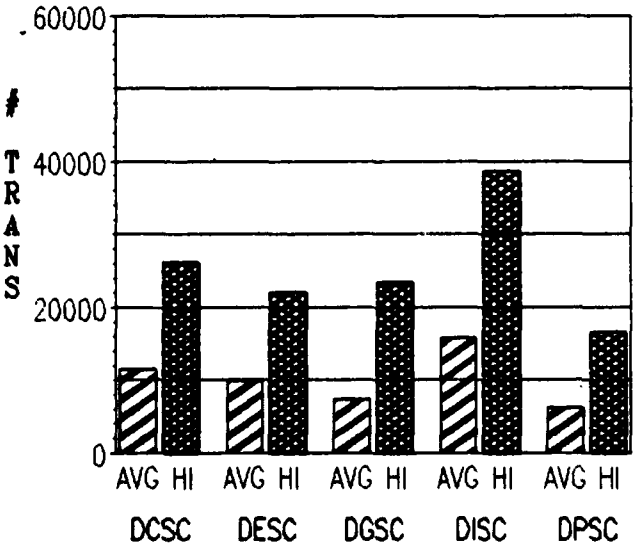
QUARTER ENDING 31DEC89

AVERAGE TRANSACTIONS – PRIME SHIFT (0700–1700)

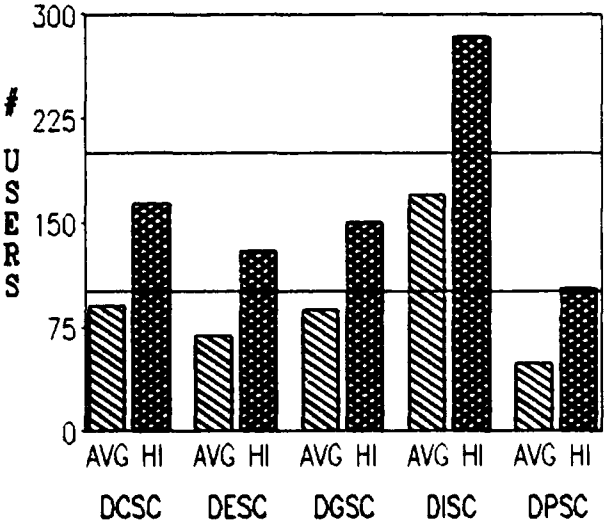




TRANSACTIONS – PRIME SHIFT (0700–1700)



USERS – PRIME SHIFT (0700–1700)



Reliability Data for Quarter Ending Dec 89

These reports show the use per hardfail by device type and vendor for each DLA DPI utilizing the device type charted and represent the statistical data depicted in the Reliability Plus (R+) reports whose input is the SYS1.LOGREC from each DPI.

DEFINITIONS

A. Each bar represents a DPI's use per hard fail for a specific device. The DPI/SITE ID appears below each bar. 'NONE' in place of a bar indicates no hard fails.

B. The 'Y' axis represents the unit of measurement for device use defined as follows:

1. Power on hours for CPU, CHANNEL, CORE.

2. ACTUATOR MONTHS, the total quantity of actuators multiplied by the number of months in the time period, for DASD. (Except for SSD STK, which is SEEKS (multiplied by 1,000)). This is the only activity for DASD that is recorded in RPLUS.

3. SIOs (Start inputs/outputs) (Multiplied by 1,000) for tape. This count does not include SIOs for error recovery.

C. DLA AVG - the average use per hardfail for all DLA DPIs, calculated by dividing the total use by the total number of hardfails for the device type.

D. NAT AVE - the national average use per hardfail as recorded in the R+ National Database maintained by Computer Associated, Irving, Tx. There are over 1,000 subscribers to the R+ system. This average represents those subscribers using the device type reported.

E. The device type/model number is the IBM equivalent. For example, a Memorex 3675 DASD is an IBM 3330-11 equivalent and is depicted on the chart as MEM 3330-11.

F. The following vendor abbreviations are used:

1. AMD - AMDAHL.

2. IBM - International Business Machines.

3. IPL - IPL Systems.

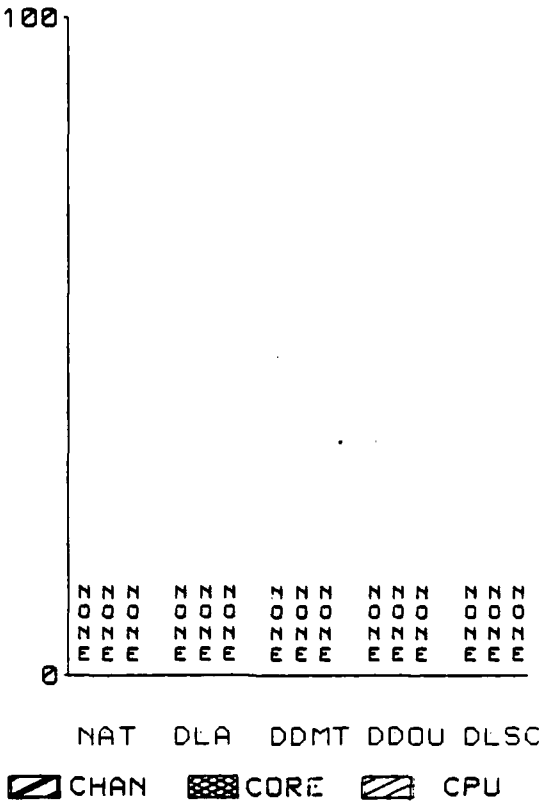
4. MEM - Memorex.

5. NAS - National Advanced Systems.

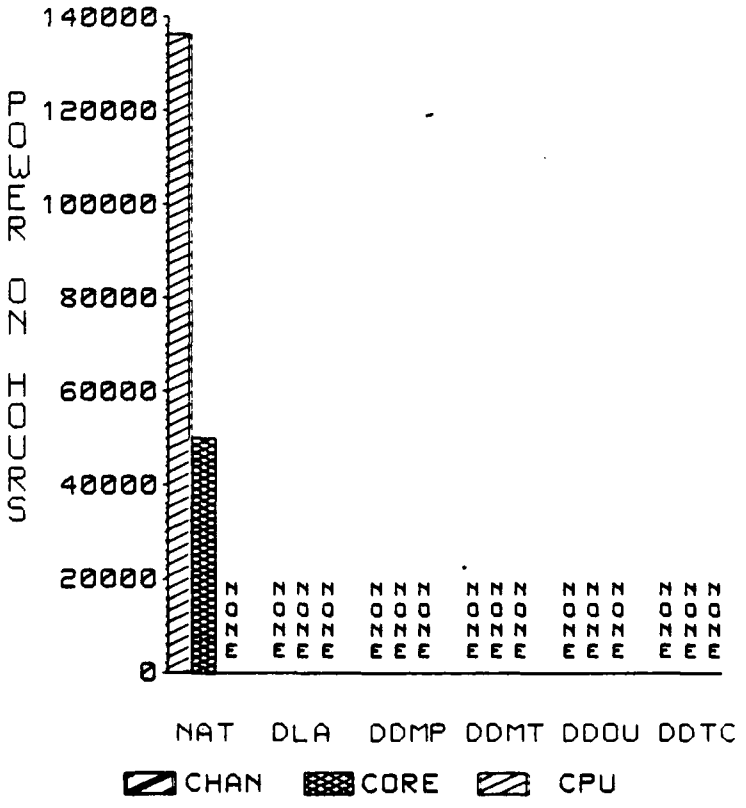
6. STK - Storage Technology Corporation.

QTR ENDING NOV, 1989 CPU CHAN CORE USE PER HARDFAIL

4341 IBM

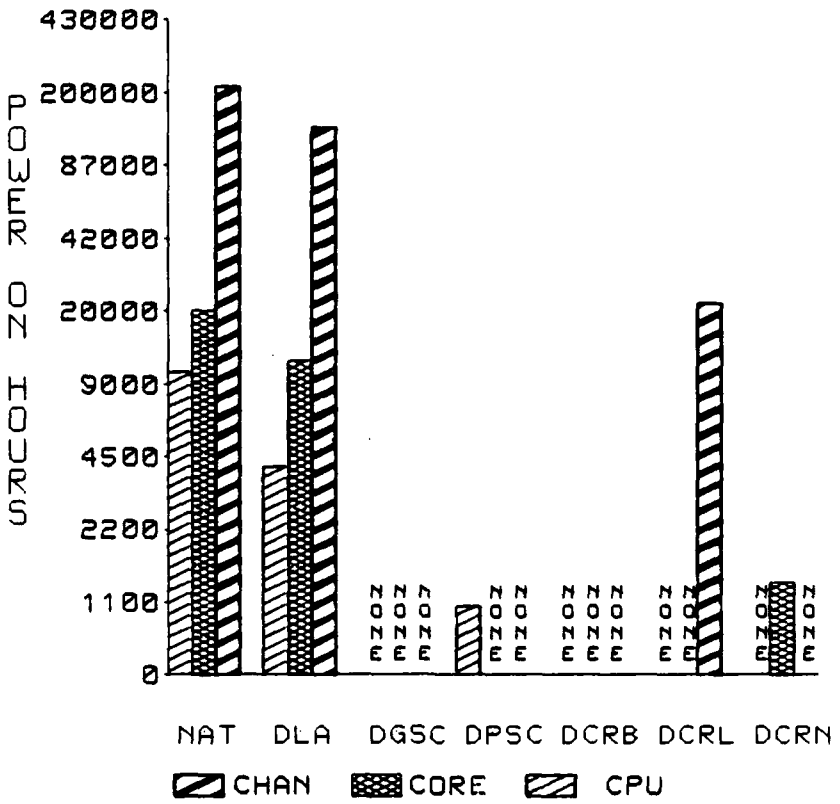


4381 IBM

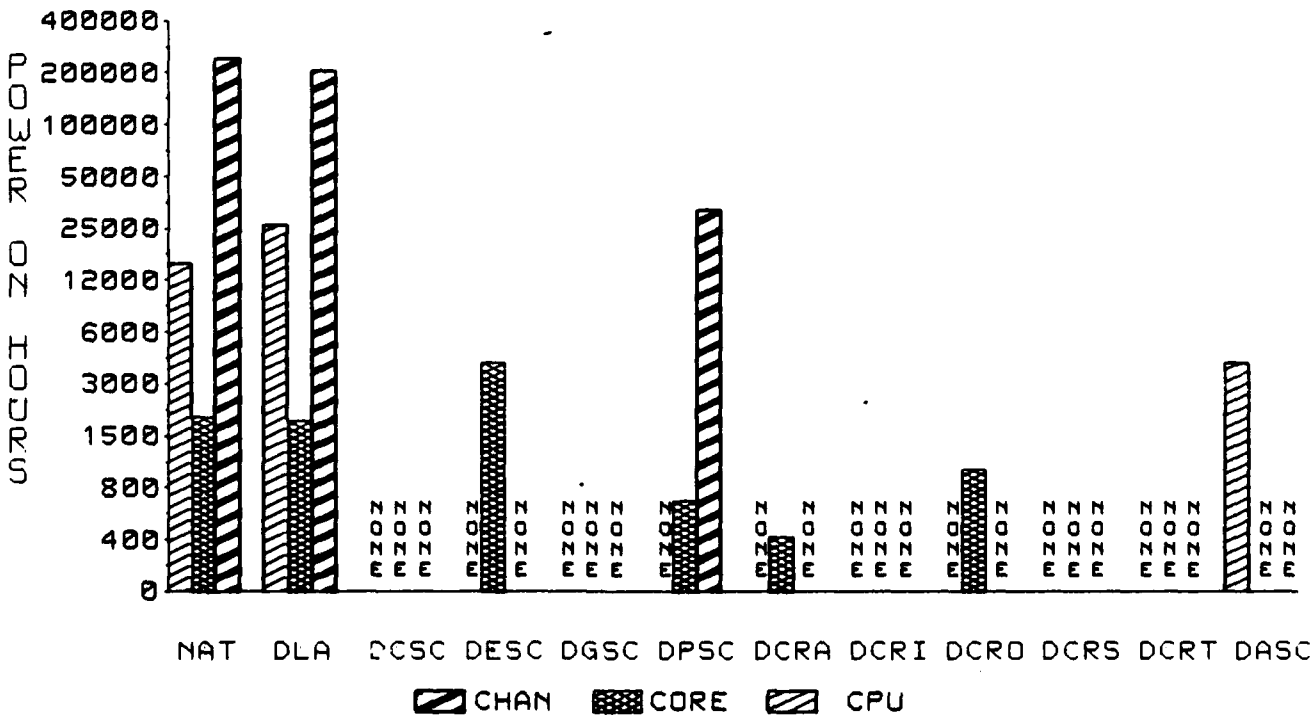


QTR ENDING NOV,1989 CPU CHAN CORE USE PER HARDFAIL

58XX AMD

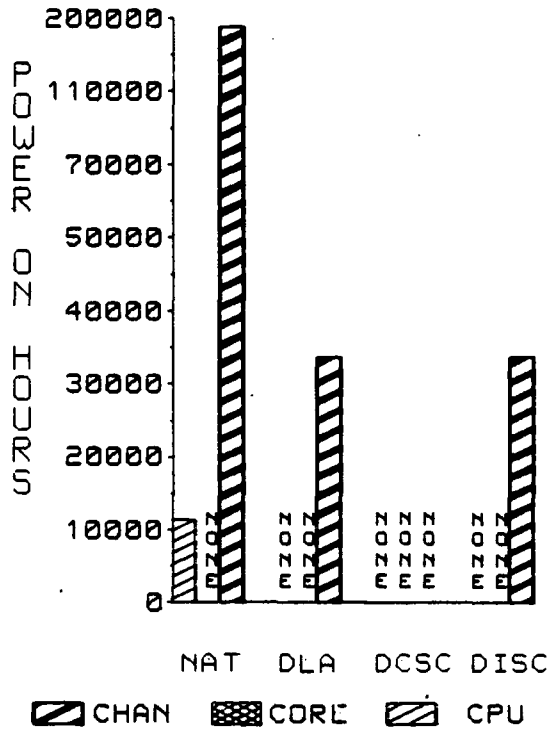


4708 AMD

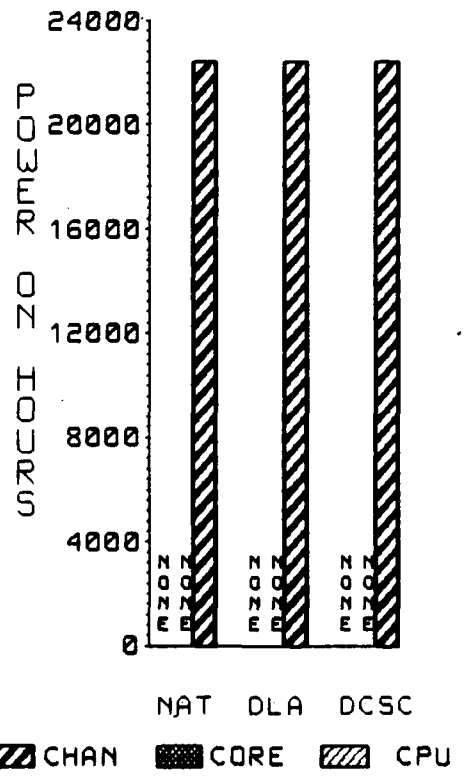


QTR ENDING NOV,1989 CPU CHAN CORE USE PER HARDFAIL

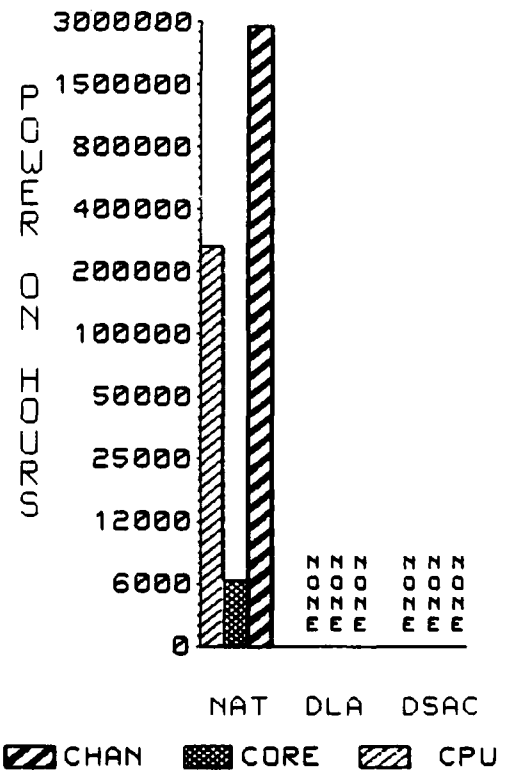
A900 HDS



4707 AMD

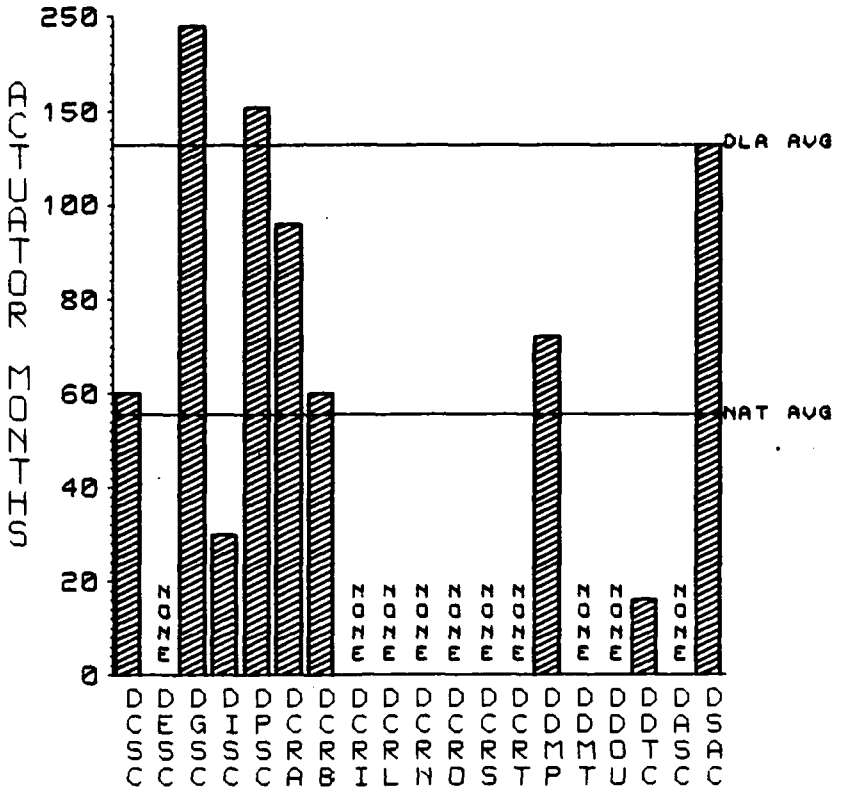


3084 IBM

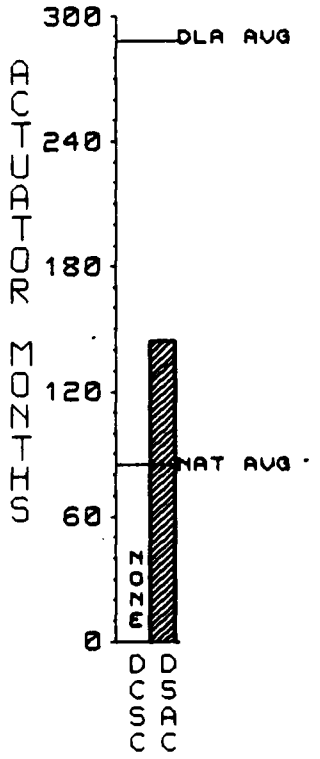


QTR ENDING NOV,1989 DASD USE PER HARDFAIL

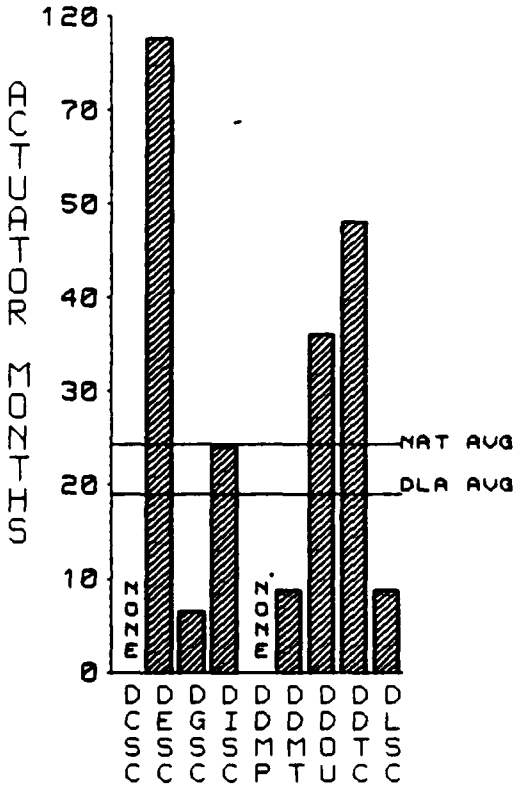
3380E STK



3380 STK

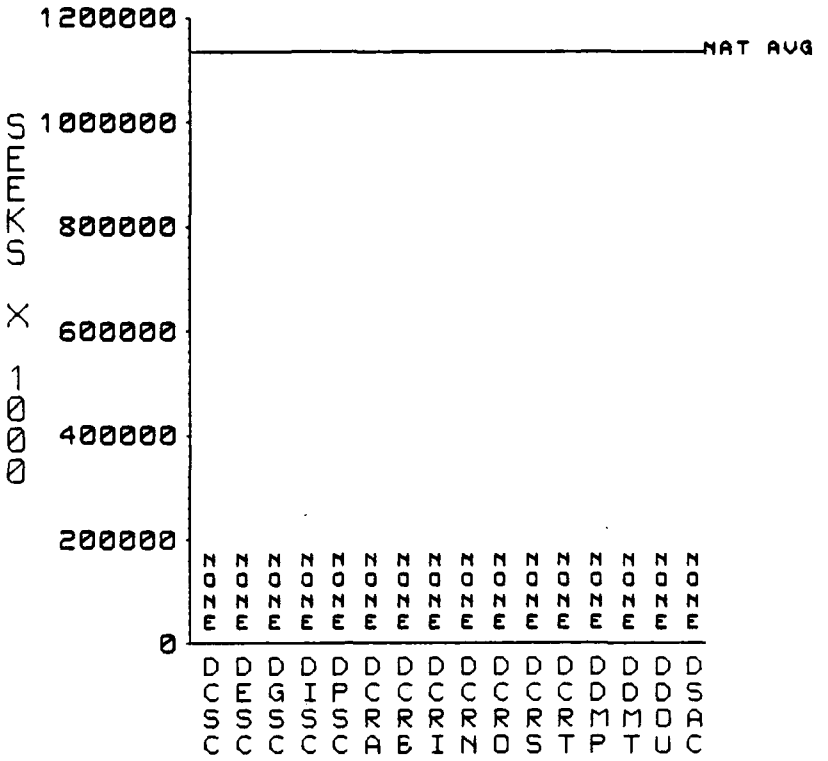


3350 MEM

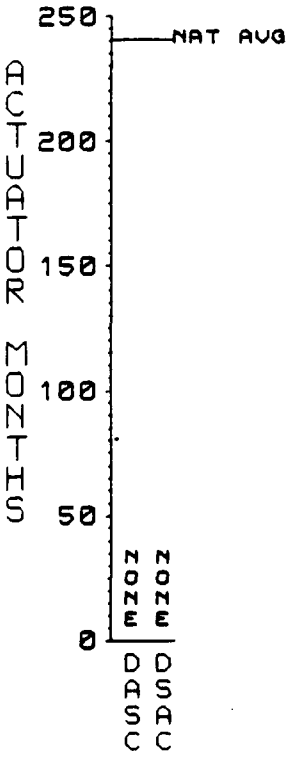


QTR ENDING NOV, 1989 DASD USE PER HARDFAIL

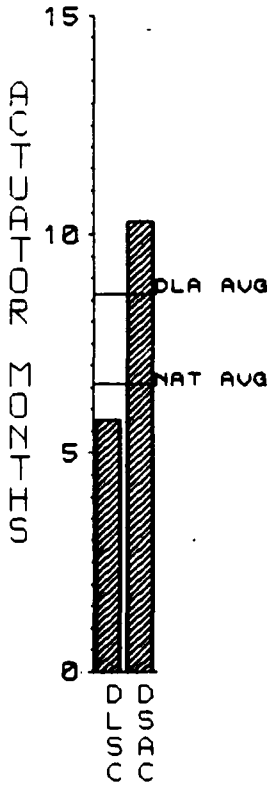
SSD STK



3380 IBM

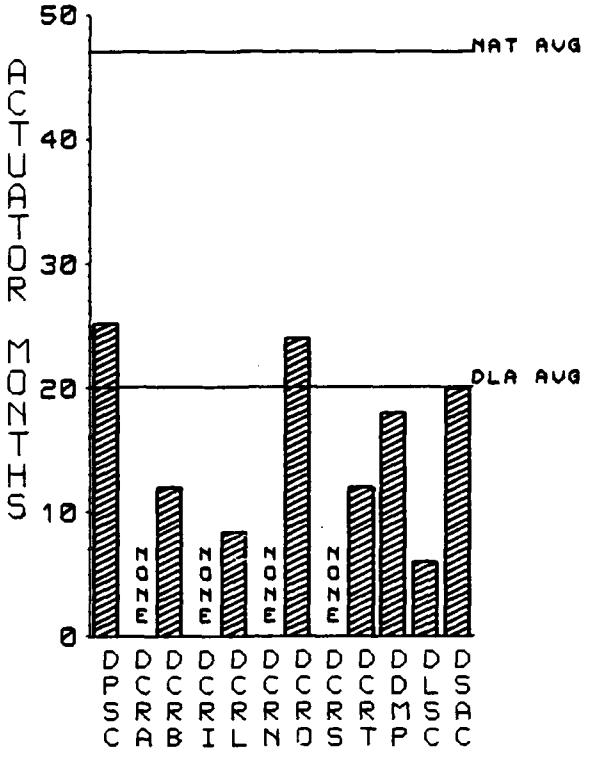


333011 MEM

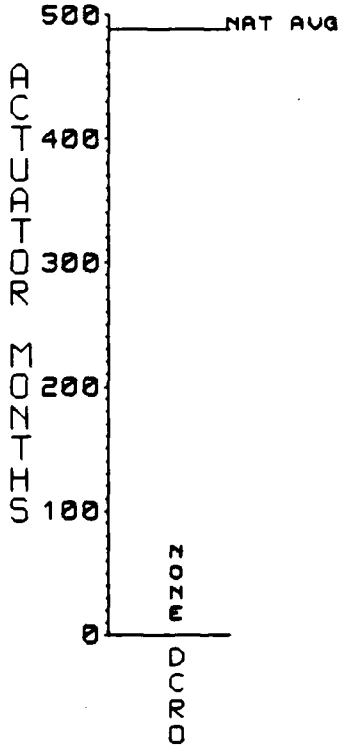


QTR ENDING NOV, 1989 DASD USE PER HARDFAIL

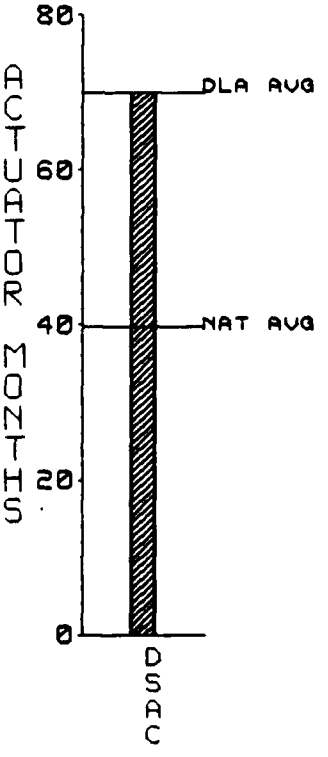
33502 MEM



3350 AMD

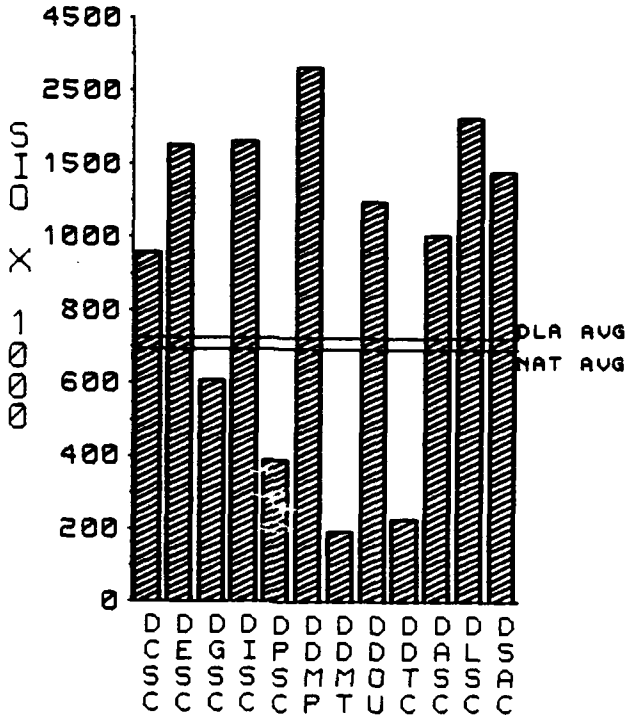


3350 IBM

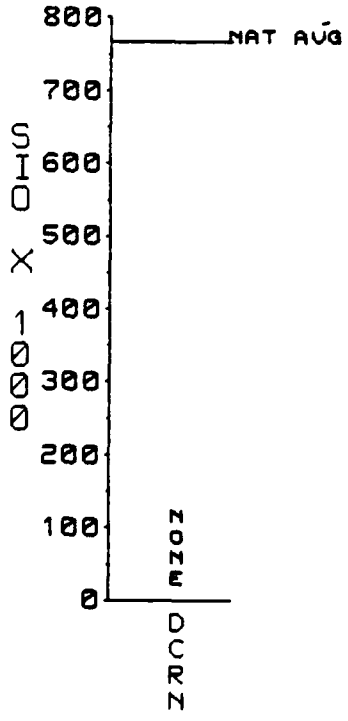


QTR ENDING NOV, 1989 TAPE USE PER HARDFAIL

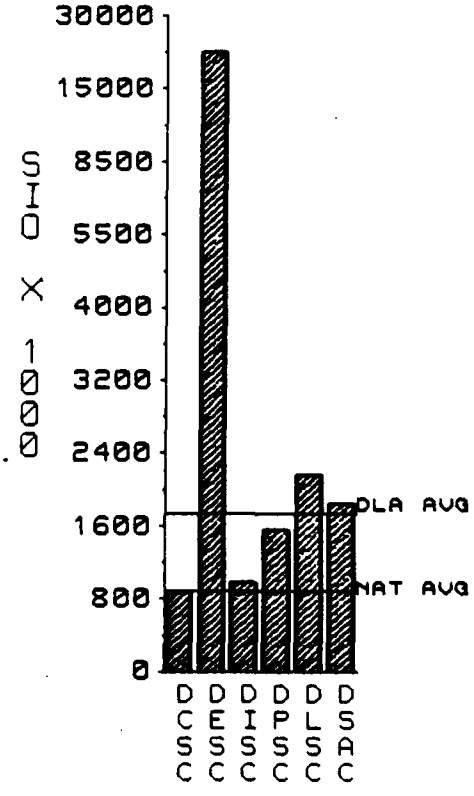
34206 STK



3480 STK

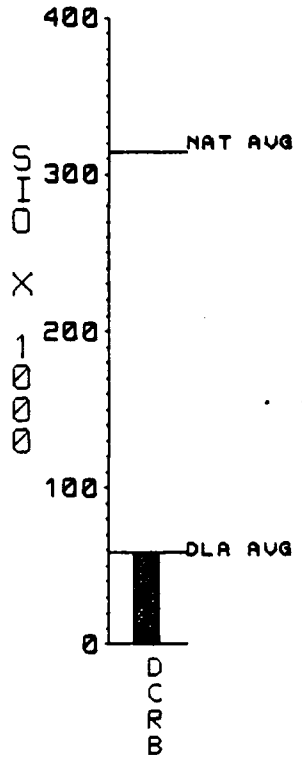


34208 STK



QTR ENDING NOV, 1989 TAPE USE PER HARDFAIL

34203 IBM



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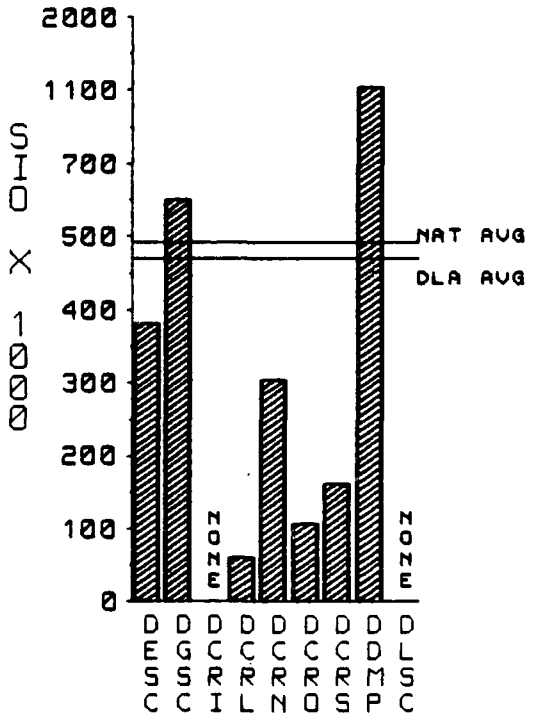
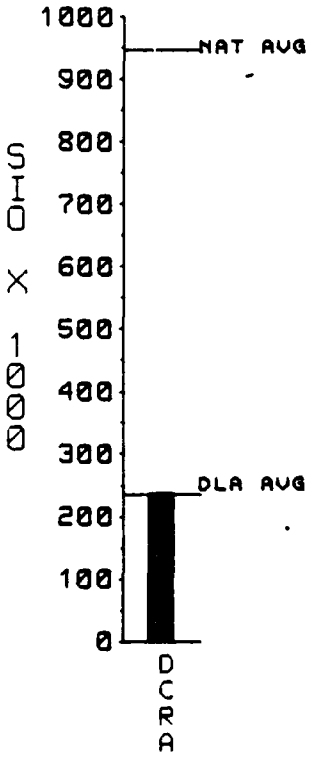
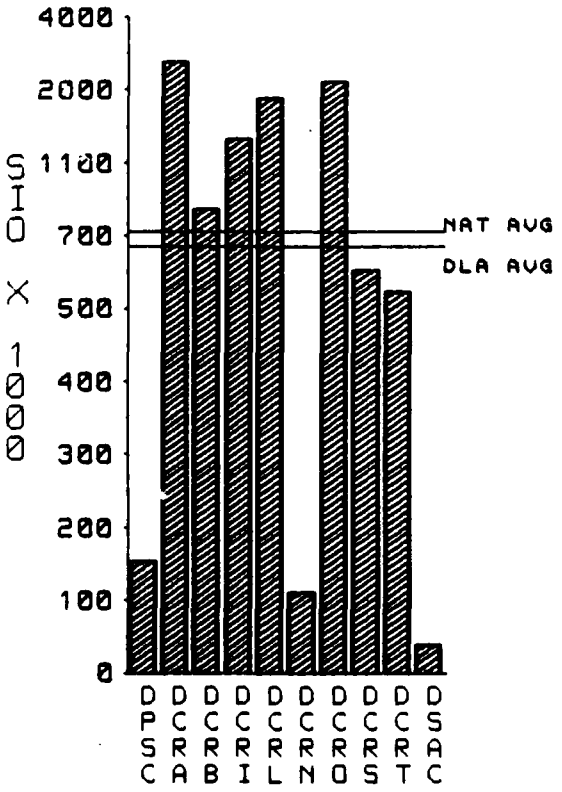


34204 IBM

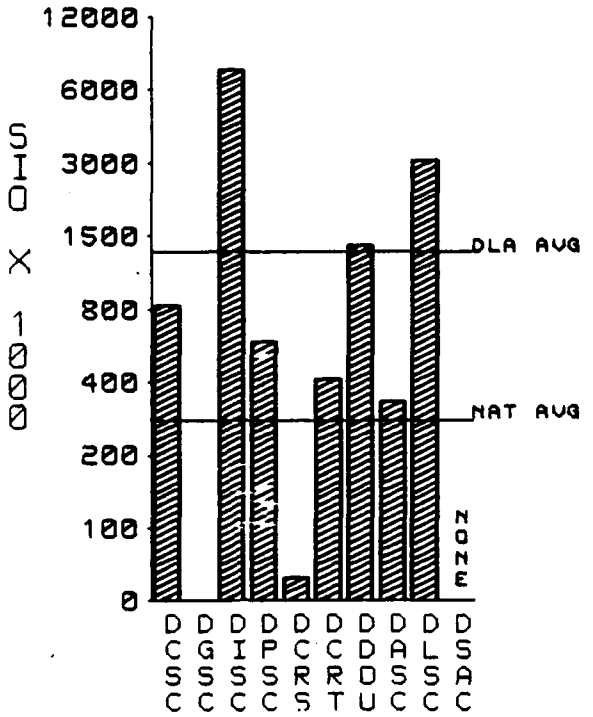


3266 MEM

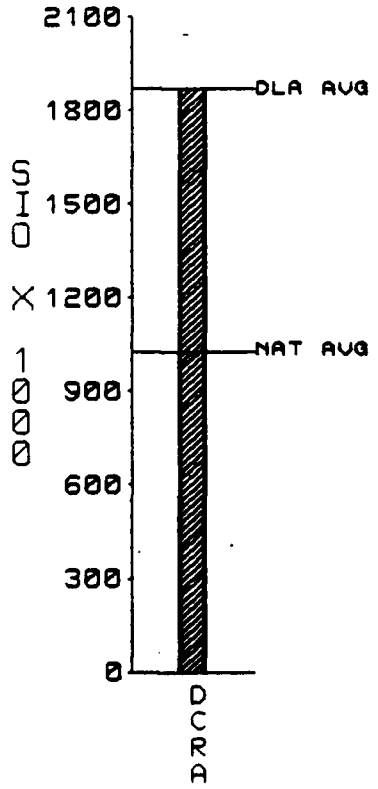


QTR ENDING NOV, 1989 TAPE USE PER HARDFAIL

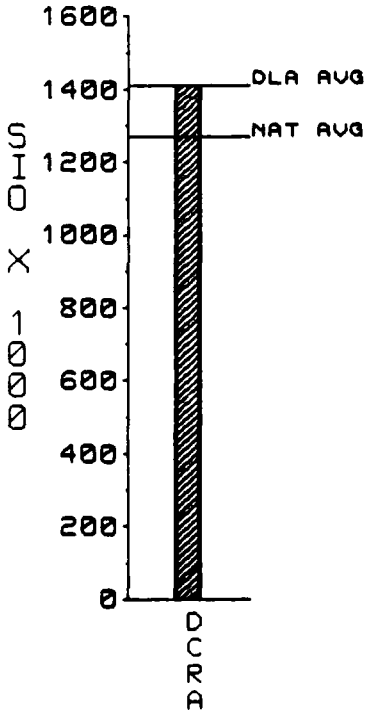
34205 STK



34206 MEM



34208 MEM



3. DATA COMMUNICATIONS CAPACITY MANAGEMENT DATA

DLANET PROFILE

This table provides configuration data for the DLANET. The following is helpful in understanding the column titles:

1. Group. Type of Primary Level Field Activity (PLFA). Note that two Depots (DDCO and DDRV) are actually provided support by Supply Centers (DCSC and DGSC, respectively).

2. Site. Self explanatory, the name of the PLFA.

3. Attached Devices. The number of terminals and printers connected to the Comten at the identified site. They may be physically located on the PLFA or located off-site and connected via communications circuits.

4. Remote Devices. The number of terminal and printers connected to a Comten at another site that have access to the host(s), supported by the Comten at the identified site.

5. Total. Total number of terminals plus printers.

NOTE: The number of devices on the DLANET is actually the grand total of the attached devices.

Since the last DISPR (OCT-DEC 89) was released, the device population of the DLANET has increased by 5.01%.

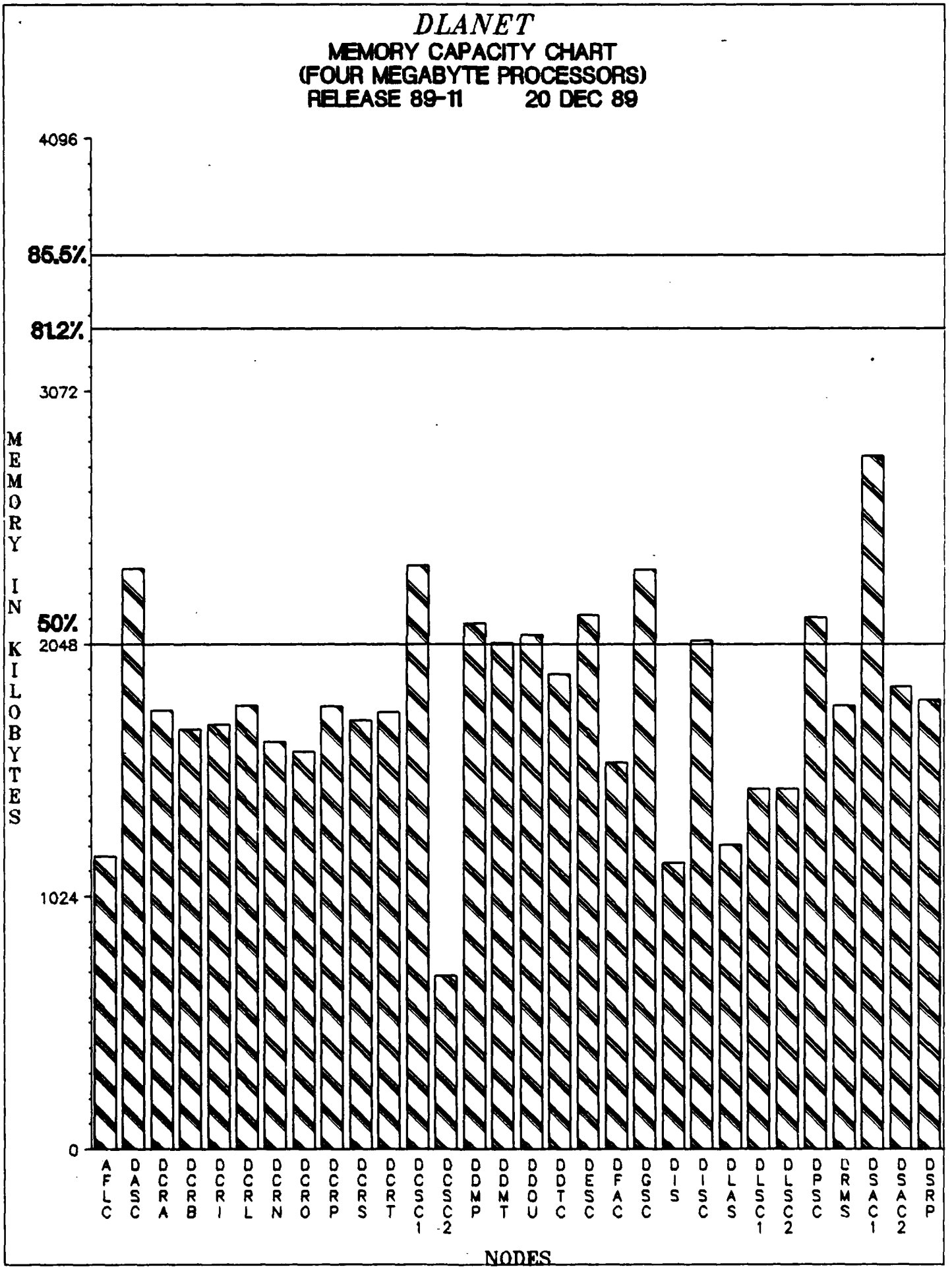
DLANET PROFILE INFORMATION AS OF 20 DEC 89 -- RELEASE 8911

ROUP	SITE	ATTACHED TERMINALS	ATTACHED PRINTERS	TOTAL	REMOTE TERMINALS	REMOTE PRINTERS	TOTAL
CASR	DCRA	603	231	834	491	128	619
	DCRB	576	354	930	424	99	523
	DCRI	613	277	890	459	102	561
	DCRL	632	425	1057	425	91	516
	DCRN	610	164	774	442	103	545
	DCRO	340	121	461	561	165	726
	DCRP	724	305	1029	371	113	484
	DCRS	301	145	446	669	224	893
	DCRT	553	293	846	491	130	621
	SUBTOTAL	4952	2315	7267	4333	1155	5488
UPPLY	DCSC-R	851	372	1223	2309	871	3180
ENTER	DCSC-L	54	22	76	0	0	0
	DESC	928	208	1136	1970	760	2730
	DGSC	975	427	1402	1751	741	2492
	DISC	812	228	1040	1540	711	2251
	DPSC	528	349	877	2099	829	2928
	SUBTOTAL	4148	1606	5754	9669	3912	13581
ERVICE	DASC	1465	330	1795	777	293	1070
ENTER	DAIPC	128	64	192	701	450	1151
	DLSC	201	38	239	1205	744	1949
	DRMS	378	138	516	1148	376	1524
	DSAC-L	666	71	737	36	11	47
	DSAC-R	182	110	292	1316	260	1576
	SUBTOTAL	2892	687	3579	4482	1684	6166
EPOT	DDMP	755	540	1295	1214	295	1509
	DDMT	693	433	1126	766	208	974
	DDOU	967	507	1474	539	156	695
	DDTC	792	658	1450	555	154	709
	SUBTOTAL	3207	2138	5345	3074	813	3887
THER	AFLC	6	6	12	338	179	517
	DIS	32	8	40	232	46	278
	DLAS	85	42	127	0	0	0
	DSRP	182	92	274	166	54	220
	SUBTOTAL	305	148	453	736	279	1015
OTAL (CURRENT DISPR)		15504	6894	22398			
OTAL (PRIOR DISPR)		15198	6775	21973			
HANGE FROM PRIOR DISPR		306	119	425			
ERCENT CHANGE		5.11%	4.86%	5.01%			

DLANET MEMORY CAPACITY CHARTS

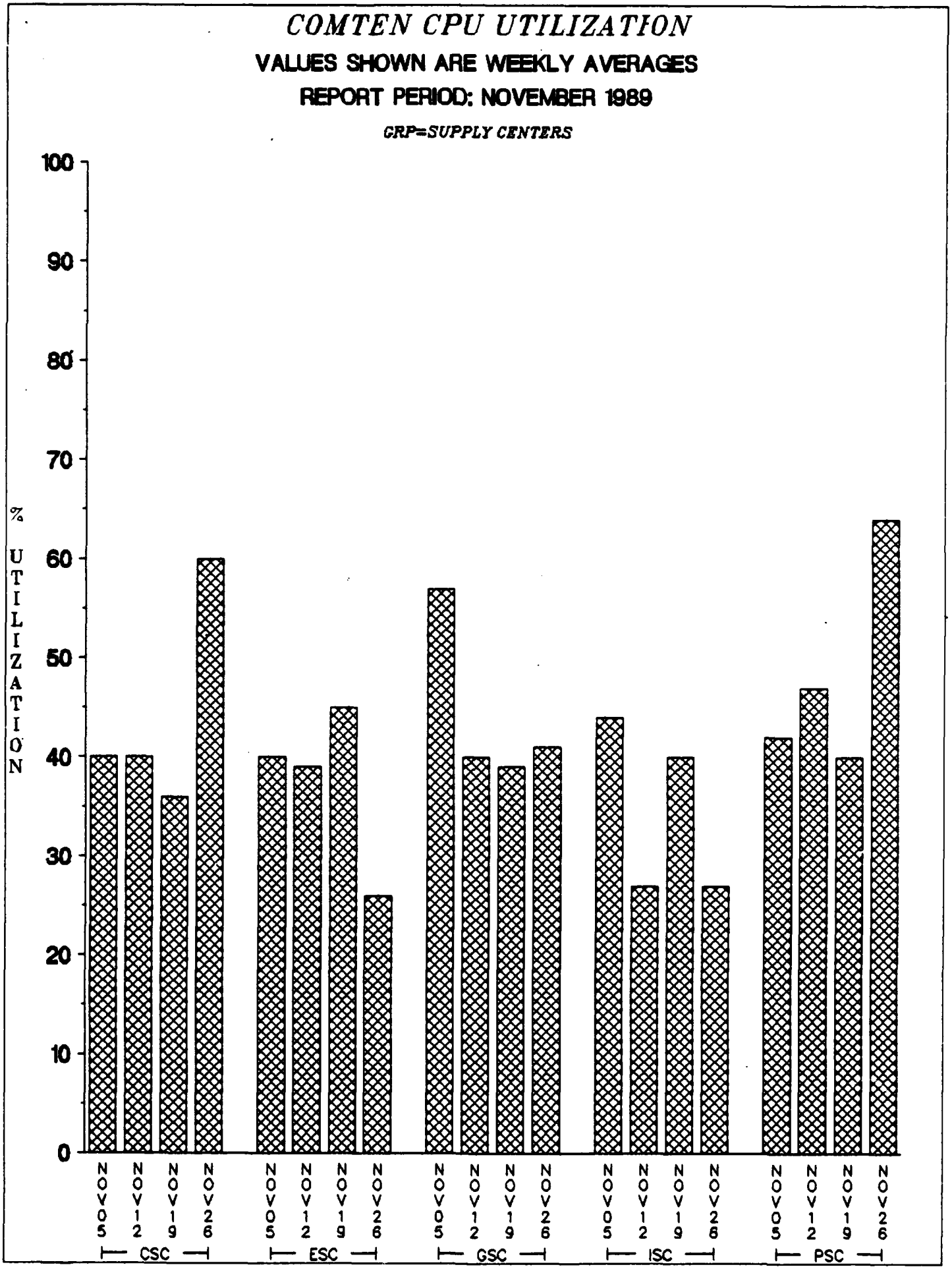
Four megabytes is the maximum memory supported by an NCR Comten 3690 Communications Processor (CP). The CPs in the DLANET each have four megabytes of memory. Of this available memory, 14.5% (represented by the top line on the graphs) is required to insure an adequate buffer pool. A 5% reserve of the remaining memory is represented by the middle line on the graphs and should not be exceeded as there will be a danger of causing the CPs to go into Slow Down. The 50% line on the graphs is included for ease of comparison only.

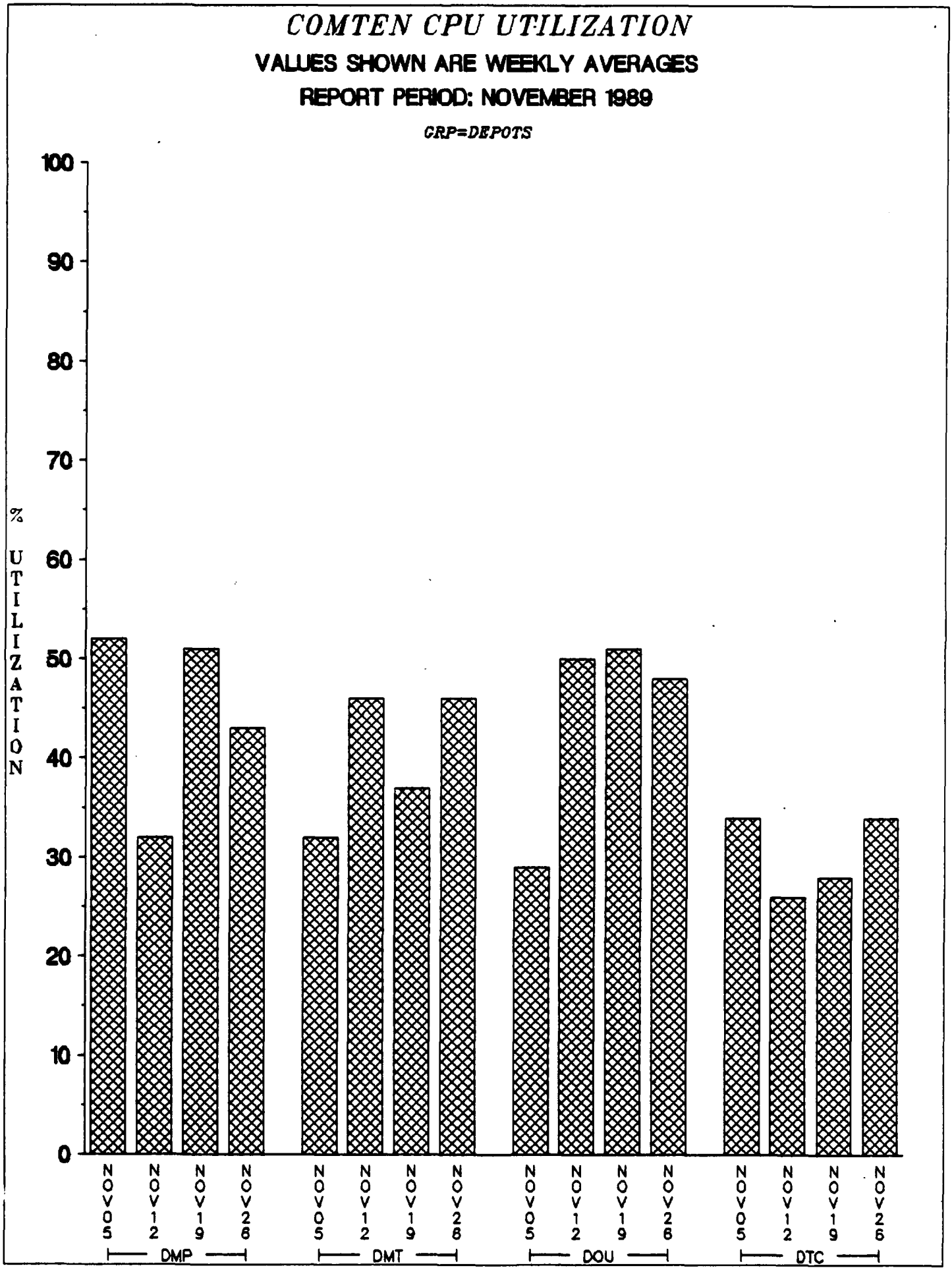
Since the last DISPR (OCT-DEC 89), memory usage over the entire DLANET has increased by 1.90%. The increase is due to the addition of new devices and accesses to the DLANET as well as a new release of Comten Software.

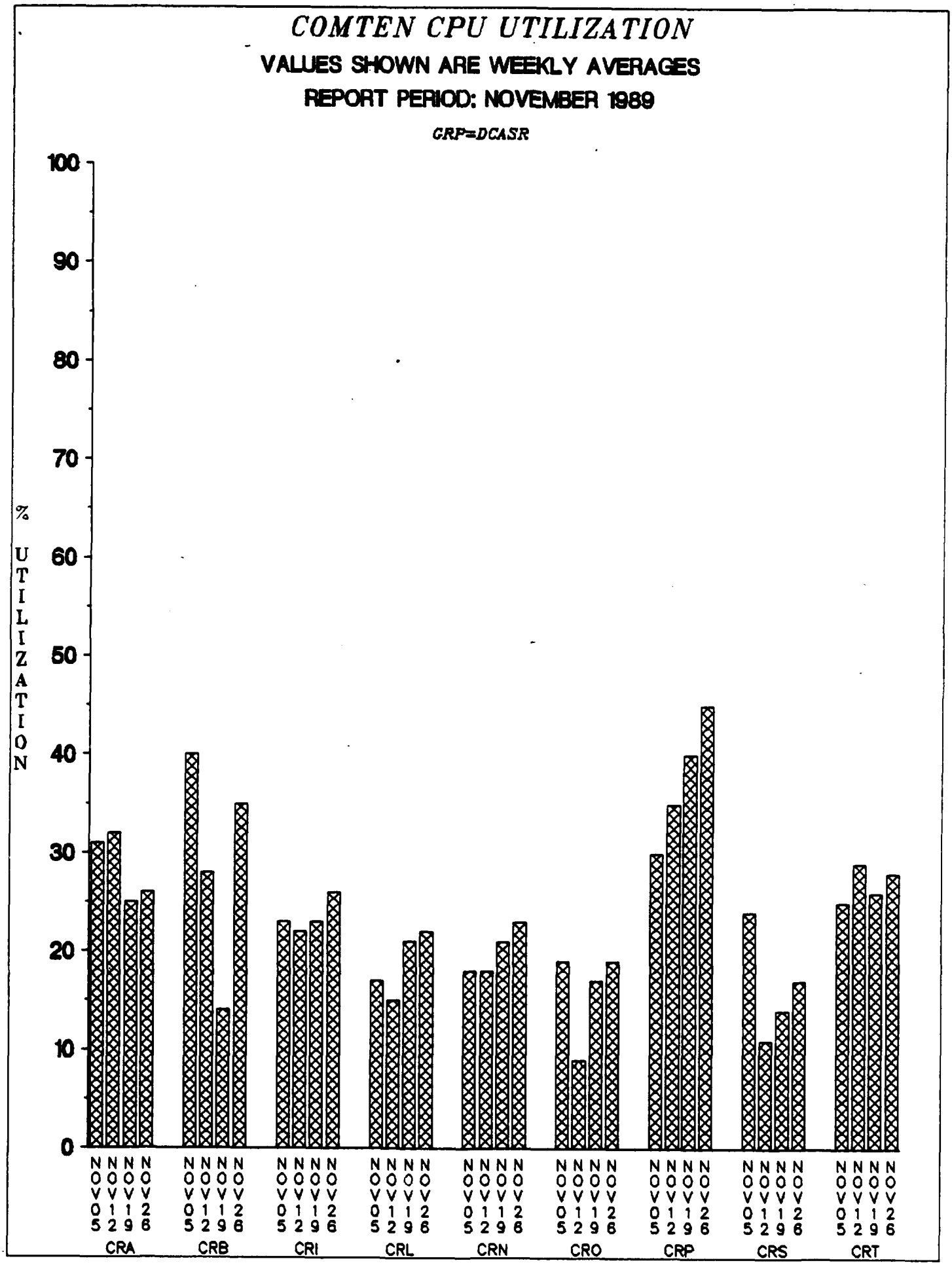

DLANET
MEMORY CAPACITY CHART
(FOUR MEGABYTE PROCESSORS)
RELEASE 89-11 20 DEC 89
4096
85.5%
81.2%
3072
50%
2048
1024
0
MEMORY IN KILOBYTES
AFLC
DASC
DCRA
DCRB
DCRI
DCRL
DCRN
DCRO
DCRP
DCRS
DCRT
DCSC1
DCSC2
DDMP
DDMT
DDOU
DDTC
DESC
DFAC
DGSC
DIS
DISC
DLAS
DLSC1
DLSC2
DPSC
DRMS
DSAC1
DSAC2
DSRP
NODES

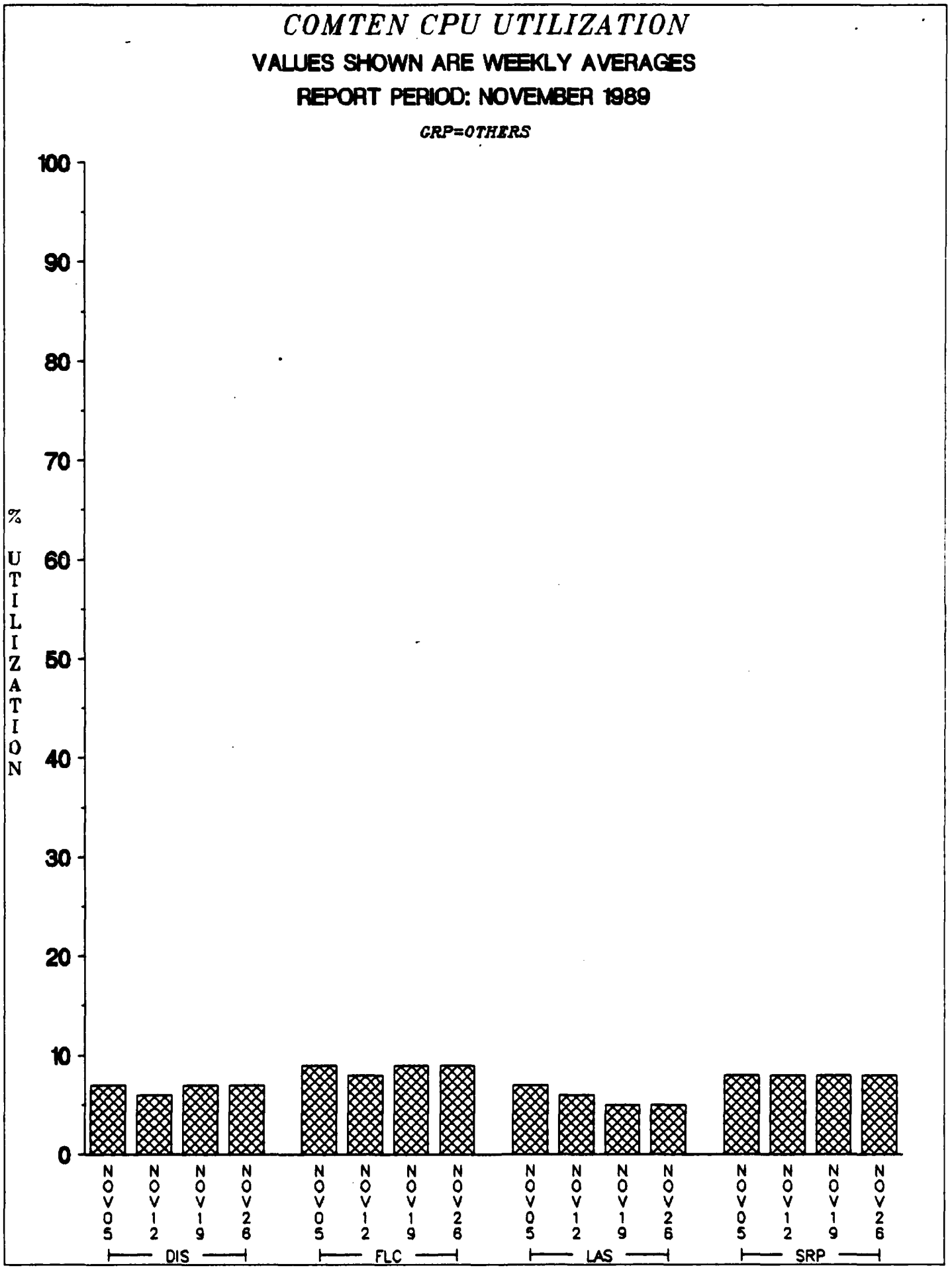
COMTEN CPU UTILIZATION

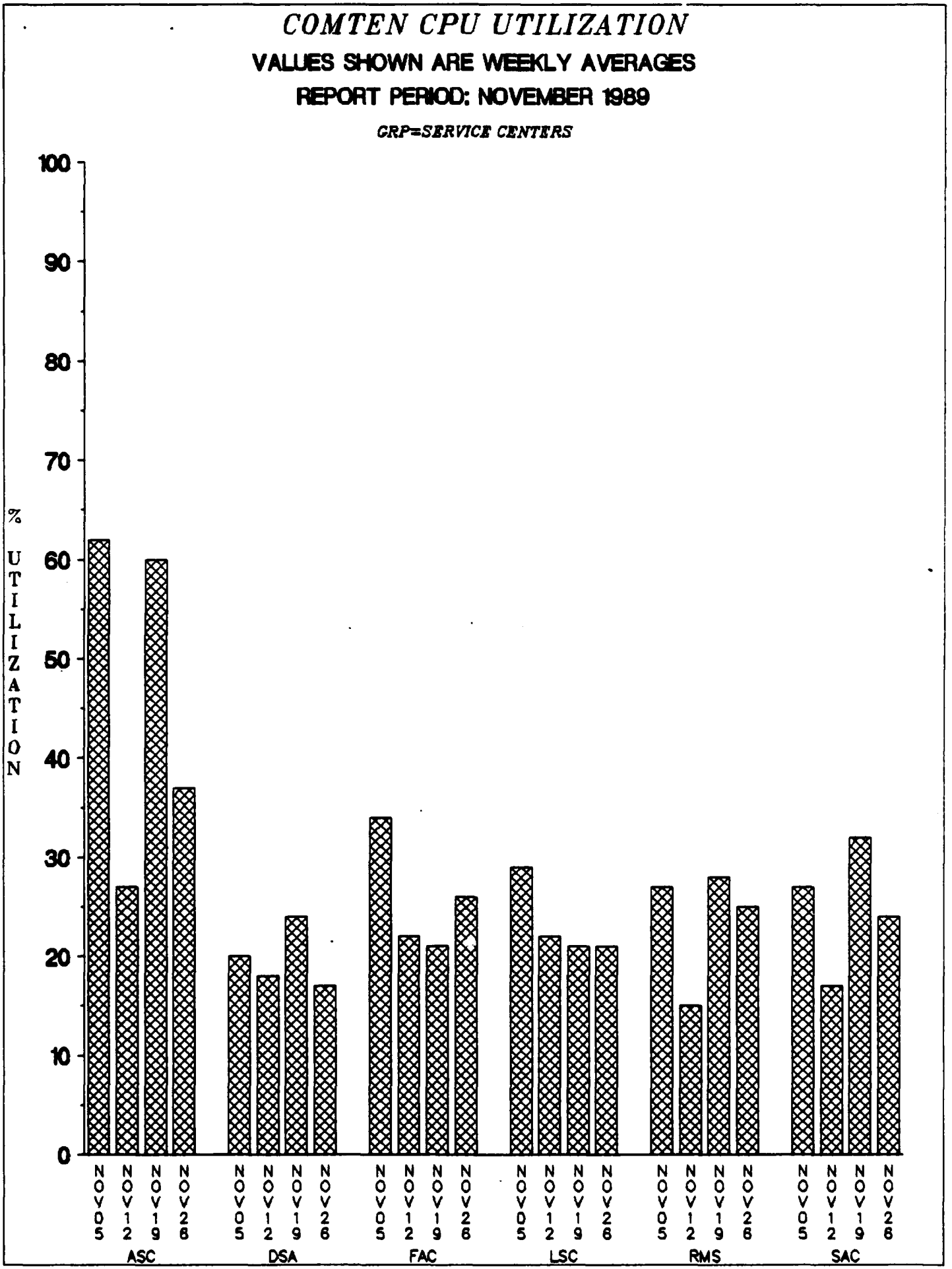
The following charts show the average Central Processing Unit (CPU) utilization of the DLANET Comtens for the most recent month. They depict the percentage of the available CPU cycles that are being used by the system. When the percentage of utilization is very high, certain low priority tasks are delayed and overall performance of the processor is adversely impacted. The value of the statistics is questionable as utilization is averaged over peak and non-peak periods. The statistics are also lost when a comten is reloaded.


COMTEN CPU UTILIZATION
VALUES SHOWN ARE WEEKLY AVERAGES
REPORT PERIOD: NOVEMBER 1989
CRP=SUPPLY CENTERS
% UTILIZATION
100
90
80
70
60
50
40
30
20
10
0
NOV05
NOV12
NOV19
NOV26
CSC
ESC
GSC
ISC
PSC


COMTEN CPU UTILIZATION
VALUES SHOWN ARE WEEKLY AVERAGES
REPORT PERIOD: NOVEMBER 1989
CRP=DEPOTS
% UTILIZATION
100
90
80
70
60
50
40
30
20
10
0
NOV05
NOV12
NOV19
NOV26
DMP
DMT
DOU
DTC


COMTEN CPU UTILIZATION
VALUES SHOWN ARE WEEKLY AVERAGES
REPORT PERIOD: NOVEMBER 1989
GRP=DCASR
% UTILIZATION
100
90
80
70
60
50
40
30
20
10
0
NOV 05
NOV 29
NOV 12
NOV 26
CRA
CRB
CRI
CRL
CRN
CRO
CRP
CRS
CRT


COMTEN CPU UTILIZATION
VALUES SHOWN ARE WEEKLY AVERAGES
REPORT PERIOD: NOVEMBER 1989
CRP=OTHERS
% UTILIZATION
100
90
80
70
60
50
40
30
20
10
0
NOV05
NOV12
NOV19
NOV26
DIS
FLC
LAS
SRP


COMTEN CPU UTILIZATION
VALUES SHOWN ARE WEEKLY AVERAGES
REPORT PERIOD: NOVEMBER 1989
GRP=SERVICE CENTERS
% UTILIZATION
100
90
80
70
60
50
40
30
20
10
0
NOV05
NOV12
NOV19
NOV26
ASC
DSA
FAC
LSC
RMS
SAC

DLA DMINS Systems

DMINS SYSTEM RESOURCE UTILIZATION SUMMARY: LEGEND

NUMBER OF HOURS REPORTED: number of hours taken from the data base to produce the statistics. These figures are taken for prime time during the period, 0700 to 1659. When number of hours reported is 0, no data is transmitted from indicated site.

* NO. USER: average number of users logged on per hour during the period of 0700 to 1659.

* CPU%BUSY: average percent of time the CPU was busy during the period of 0700 to 1659. Figured by taking 100 - cpu%idle.

PROC RUNQ: average number of ready processes waiting for CPU per hour during the period of 0700 to 1659.

DISKS TR/S: average amount of disk I/O in transactions/sec. to all disks during the period of 0700 to 1659.

* These averages may not add up to 100 due to rounding.

NOTE: The following NP1 sites have the DISK TR/S field commented out(***), because the validity of this statistic is questionable-
dsacng1,dsacg4,discg5,descg4,ddoug2,dgscg2,diag2,dcscg3,dpscg3

DMINS SYSTEMS RESOURCE UTILIZATION
AVERAGES FOR FOURTH QUARTER 1989
DMINS RANKINGS
ORDERED BY:

RANK	NO. USER		PROC RUNQ		DISK TR/S		CPU% BUSY		NO. HOURS	
1	dlscg5	59.7	dlscg1	5.7	dsacg1	47.7	dcrpg1	78.3	marst1	647
2	ddtcg1	49.0	dcrpg1	5.7	dlscg1	45.4	dlscg3	72.4	dpscg2	640
3	dlscg3	47.8	dlscg2	5.5	dlscg4	42.2	dgscg1	72.1	dsacg2	624
4	dlscg1	44.2	dlscg3	5.4	dcrag1	41.4	dlscg1	70.2	dpscg3	620
5	dsacg2	43.8	dsacg1	4.4	dlscg3	37.7	dpscg1	69.6	ddmpg1	620
6	ddmtg1	43.3	ddtcg1	4.4	ddtcg1	36.5	dlscg2	69.4	dcrsg1	619
7	dlscg1	40.2	ddmtg2	4.3	dlscg2	33.6	dsacg1	69.2	dcrlg1	618
8	dfscg1	36.1	drmreg1	3.8	dcscg1	33.6	ddtcg1	67.0	dcrtg1	617
9	dsacg1	35.3	dpscg1	3.8	dgscg1	33.0	dcrng1	66.5	descg2	616
10	dlscg2	34.5	dlscg4	3.6	dcrpg1	31.4	descg1	66.0	dcrng1	615
11	ddoug1	33.6	dgscg1	3.6	descg1	30.8	ddmtg2	65.8	dpscg1	611
12	dlag1	32.9	dcrag1	3.6	dpscg1	29.5	dcrtg2	62.6	dcscg1	610
13	dcscg1	32.4	descg1	3.5	dlscg2	29.4	dcscg1	61.2	ddoug1	609
14	dsachg1	31.8	dcrtg2	3.3	ddmtg3	29.4	ddmtg1	60.4	dsacng1	600
15	dpscg1	30.1	dsachg1	3.0	descg3	27.6	dcrag1	60.1	dlag1	599
16	dcrag1	30.0	ddmtg1	3.0	dsacg3	24.5	dsacg2	59.1	dgscg2	596
17	descg3	29.2	dcrtg1	3.0	dpscg2	23.3	dcrtg1	59.1	dcrpg1	594
18	descg1	28.9	ddmpg1	2.9	ddmtg1	22.5	dlscg4	59.0	descg1	593
19	dgscg1	28.7	dsacg2	2.8	dcrbg1	21.3	dcrlg1	56.8	dlscg2	591
20	ddmtg2	27.9	dcscg1	2.8	dsacg2	20.8	dcrbg1	53.4	descg3	589
21	dsacg3	25.0	dlscg1	2.7	dlag1	19.8	dlscg5	53.2	dlag2	584
22	dcrpg1	21.7	dcrng1	2.7	dcrtg1	18.7	dcrog1	53.2	dsachg1	583
23	dcrlg4	21.4	dsacg3	2.6	dlscg1	18.4	dlag1	53.0	dsacg3	583
24	dsacng1	20.9	ddoug1	2.6	dcscg2	18.2	dlscg1	52.9	drmrpg1	583
25	dcrbg1	20.7	dcrog1	2.4	ddoug1	16.4	ddoug1	51.3	dsacg4	582
26	dcrlg3	20.5	dcrlg5	2.4	ddmtg2	16.2	dpscg2	47.1	dlscg1	581
27	dcrtg1	20.2	ddmtg3	2.3	dcrlg3	15.5	dsachg1	46.9	dlscg4	580
28	dtlcg1	19.9	dlscg2	2.2	dcrlg5	15.2	dcrlg5	45.6	dlscg2	579
29	dcrlg1	19.4	dcrlg2	2.1	dcrtg2	15.1	dcrlg1	44.4	dcrlg3	579
30	dlscg4	18.8	dcrbg1	2.1	dcrlg1	13.4	dfscg1	43.9	dlscg3	578
31	dcrlg1	17.9	dcrlg1	1.9	dfscg1	12.0	ddmtg3	43.2	dcrog1	577
32	dcrlg2	16.4	dlag1	1.8	dcrog1	11.3	dsacg3	42.2	dcrbg2	575
33	drmreg1	16.3	dlscg5	1.8	dcrlg2	11.0	descg3	40.2	dcrbg1	575
34	dcrtg2	16.0	dcrsg1	1.7	marst2	10.9	dcrlg3	39.9	dcrlg2	574
35	ddmtg3	15.7	drmrpg1	1.5	dcrlg4	10.6	dcrlg4	37.5	dlscg3	572
36	ddmpg1	14.7	dpscg2	1.5	ddmpg1	10.5	dlag2	36.6	dcrlg5	572
37	dcscg3	14.4	descg2	1.4	dcrlg1	10.5	dcscg2	34.9	dcrag1	563
38	dcrlg5	14.2	dcrlg1	1.4	dcrsg1	10.2	marst2	33.0	marst2	560
39	dcrog1	11.8	dfscg1	1.2	dsachg1	7.9	dcrsg1	32.3	dsacg1	560
40	dcrng1	9.9	descg3	1.1	dcrng1	7.4	ddmpg1	31.8	dcscg2	558
41	dcrsg1	9.8	dcrlg3	1.1	dtlcg1	7.2	dcrlg2	31.7	dcrlg4	556
42	descg2	8.7	dcrlg4	1.0	dlscg3	6.5	dsacng1	30.1	dcscg3	553
43	dpscg2	7.4	dlag2	0.9	descg2	5.9	dlscg2	24.6	dtlcg1	551
44	descg4	7.1	dcscg2	0.8	dcrbg2	5.5	descg2	24.5	ddmtg1	551

DMINS SYSTEMS RESOURCE UTILIZATION
AVERAGES FOR FOURTH QUARTER 1989
DMINS RANKINGS
ORDERED BY:

RANK	NO. USER		PROC RUNQ		DISK TR/S		CPU% BUSY		NO. HOURS	
45	dcscg2	6.4	marst2	0.7	drmreg1	5.4	dticg1	23.7	discg1	547
46	dsacg4	6.3	dsacng1	0.7	marst1	3.4	drmreg1	20.7	ddmtg3	542
47	diag2	5.5	dpscg3	0.6	drmrpg1	2.7	discg3	19.5	dcrig1	540
48	dgscg2	3.5	dticg1	0.5	dsacng1	***	dsacg4	17.9	descg4	539
49	ddoug2	3.4	dsacg4	0.5	dsacg4	***	marst1	15.6	dgscg1	533
50	discg3	2.3	ddoug2	0.4	dpscg3	***	dpscg3	13.9	dcrtg2	527
51	marst2	2.0	discg3	0.3	diag2	***	dgscg2	11.3	ddmtg2	525
52	discg2	2.0	dcrbg2	0.3	discg5	***	ddoug2	11.3	ddtcg1	510
53	drmrpg1	1.6	marst1	0.2	dgscg2	***	dcscg3	9.5	discg5	490
54	marst1	1.5	dgscg2	0.2	descg4	***	descg4	9.1	dfscg1	480
55	dcrbg2	1.2	descg4	0.2	ddoug2	***	dcrbg2	8.9	ddoug2	412
56	dpscg3	1.1	dcscg3	0.2	dcscg3	***	drmrpg1	5.8	drmreg1	119
57	dmarsd1	0.0	dmarsd1	0.0	dmarsd1	0.0	dmarsd1	0.0	dmarsd1	0
58	dmarsd2	0.0	dmarsd2	0.0	dmarsd2	0.0	dmarsd2	0.0	dmarsd2	0
59	dmarsd3	0.0	dmarsd3	0.0	dmarsd3	0.0	dmarsd3	0.0	dmarsd3	0

DMINS SYSTEM RESOURCE UTILIZATION
AVERAGES FOR FOURTH QUARTER 1989
[SORTED BY SITE]
(RANK)

SITE	NO. USER	PROC RUNQ	DISK TR/S	CPU% BUSY	NO. HOURS
dcragl	30.0 (16)	3.6 (12)	41.4 (4)	60.1 (15)	563 (37)
dcrbg1	20.7 (25)	2.1 (30)	21.3 (19)	53.4 (20)	575 (33)
dcrbg2	1.2 (55)	0.3 (52)	5.5 (44)	8.9 (55)	575 (32)
dcrlg1	17.9 (31)	1.9 (31)	10.5 (37)	56.8 (19)	540 (47)
dcrlg1	19.4 (29)	1.4 (38)	13.4 (30)	44.4 (29)	618 (7)
dcrlg2	16.4 (32)	2.1 (29)	11.0 (33)	31.7 (41)	574 (34)
dcrlg3	20.5 (26)	1.1 (41)	15.5 (27)	39.9 (34)	579 (29)
dcrlg4	21.4 (23)	1.0 (42)	10.6 (35)	37.5 (35)	556 (41)
dcrlg5	14.2 (38)	2.4 (26)	15.2 (28)	45.6 (28)	572 (36)
dcrng1	9.9 (40)	2.7 (22)	7.4 (40)	66.5 (9)	615 (10)
dcrog1	11.8 (39)	2.4 (25)	11.3 (32)	53.2 (22)	577 (31)
dcrpg1	21.7 (22)	5.7 (2)	31.4 (10)	78.3 (1)	594 (17)
dcrsg1	9.8 (41)	1.7 (34)	10.2 (38)	32.3 (39)	619 (6)
dcrtg1	20.2 (27)	3.0 (17)	18.7 (22)	59.1 (17)	617 (8)
dcrtg2	16.0 (34)	3.3 (14)	15.1 (29)	62.6 (12)	527 (50)
dcscg1	32.4 (13)	2.8 (20)	33.6 (8)	61.2 (13)	610 (12)
dcscg2	6.4 (45)	0.8 (44)	18.2 (24)	34.9 (37)	558 (40)
dcscg3	14.4 (37)	0.2 (56)	**** (56)	9.5 (53)	553 (42)
ddmpg1	14.7 (36)	2.9 (18)	10.5 (36)	31.8 (40)	620 (5)
ddmtg1	43.3 (6)	3.0 (16)	22.5 (18)	60.4 (14)	551 (44)
ddmtg2	27.9 (20)	4.3 (7)	16.2 (26)	65.8 (11)	525 (51)
ddmtg3	15.7 (35)	2.3 (27)	29.4 (14)	43.2 (31)	542 (46)
ddoug1	33.6 (11)	2.6 (24)	16.4 (25)	51.3 (25)	609 (13)
ddoug2	3.4 (49)	0.4 (50)	**** (55)	11.3 (52)	412 (55)
ddtcg1	49.0 (2)	4.4 (6)	36.5 (6)	67.0 (8)	510 (52)
descg1	28.9 (18)	3.5 (13)	30.8 (11)	66.0 (10)	593 (18)
descg2	8.7 (42)	1.4 (37)	5.9 (43)	24.5 (44)	616 (9)
descg3	29.2 (17)	1.1 (40)	27.6 (15)	40.2 (33)	589 (20)
descg4	7.1 (44)	0.2 (55)	**** (54)	9.1 (54)	539 (48)
dfscg1	36.1 (8)	1.2 (39)	12.0 (31)	43.9 (30)	480 (54)
dgscg1	28.7 (19)	3.8 (11)	33.0 (9)	72.1 (3)	533 (49)
dgscg2	3.5 (48)	0.2 (54)	**** (53)	11.3 (51)	596 (16)
dlscg1	44.2 (4)	5.7 (1)	45.4 (2)	70.2 (4)	581 (26)
dlscg2	2.0 (52)	2.2 (28)	29.4 (13)	24.6 (43)	591 (19)
dlscg3	47.8 (3)	5.4 (4)	37.7 (5)	72.4 (2)	578 (30)
dlscg4	18.8 (30)	3.6 (10)	42.2 (3)	59.0 (18)	580 (27)
dlscg5	59.7 (1)	1.8 (33)	**** (52)	53.2 (21)	490 (53)
dlsg1	32.9 (12)	1.8 (32)	19.8 (21)	53.0 (23)	599 (15)
dlsg2	5.5 (47)	0.9 (43)	**** (51)	36.6 (36)	584 (21)
dlscg1	40.2 (7)	2.7 (21)	18.4 (23)	52.9 (24)	547 (45)
dlscg2	34.5 (10)	5.5 (3)	33.6 (7)	69.4 (6)	579 (28)
dlscg3	2.3 (50)	0.3 (51)	6.5 (42)	19.5 (47)	572 (35)
dmarsd1	0.0 (57)	0.0 (57)	0.0 (57)	0.0 (57)	0 (57)
dmarsd2	0.0 (58)	0.0 (58)	0.0 (58)	0.0 (58)	0 (58)
dmarsd3	0.0 (59)	0.0 (59)	0.0 (59)	0.0 (59)	0 (59)
dpscg1	30.1 (15)	3.8 (9)	29.5 (12)	69.6 (5)	611 (11)

DMINS SYSTEM RESOURCE UTILIZATION
AVERAGES FOR FOURTH QUARTER 1989
[SORTED BY SITE]
(RANK)

SITE	NO. USER	PROC RUNQ	DISK TR/S	CPU% BUSY	NO. HOURS
dpscg2	7.4 (43)	1.5 (36)	23.3 (17)	47.1 (26)	640 (2)
dpscg3	1.1 (56)	0.6 (47)	**** (50)	13.9 (50)	620 (4)
drmreg1	16.3 (33)	3.8 (8)	5.4 (45)	20.7 (46)	119 (56)
drmrpg1	1.6 (53)	1.5 (35)	2.7 (47)	5.8 (56)	583 (24)
dsacg1	35.3 (9)	4.4 (5)	47.7 (1)	69.2 (7)	560 (39)
dsacg2	43.8 (5)	2.8 (19)	20.8 (20)	59.1 (16)	624 (3)
dsacg3	25.0 (21)	2.6 (23)	24.5 (16)	42.2 (32)	583 (23)
dsacg4	6.3 (46)	0.5 (49)	**** (49)	17.9 (48)	582 (25)
dsachg1	31.8 (14)	3.0 (15)	7.9 (39)	46.9 (27)	583 (22)
dsacng1	20.9 (24)	0.7 (46)	**** (48)	30.1 (42)	600 (14)
dticg1	19.9 (28)	0.5 (48)	7.2 (41)	23.7 (45)	551 (43)
marst1	1.5 (54)	0.2 (53)	3.4 (46)	15.6 (49)	647 (1)
marst2	2.0 (51)	0.7 (45)	10.9 (34)	33.0 (38)	560 (38)

DLA DMINS SYSTEMS AND ADMINISTRATORS

SITE	LOCATION	COMPUTER TYPE	HOST NAME	SYSTEM ADMIN	AUTOVON
SUPPLY CENTERS:					
DCSC	Columbus OH	9050	dcscg1,2	Stella Stiles*	850-3183
		NP1	dcscg3	David Smith*	850-3183
DESC	Dayton OH	9050	descg1,2	Diana Poppaw	986-8514
		9050	descg3	Fred Brothers	986-6457
		NP1	descg4	Tom Darakis	986-8515
DGSC	Richmond VA	9050	dgscg1	Charles Hall	695-3739
		NP1	dgscg2	James Childs	695-3739
DISC	Phil. PA	9050	discg1,2,3,4	Pat Tyson*	442-6768
		NP1	discg5	Ray Matrone*	442-6769
DPSC	Phil. PA	9050	dpscg1	Jim Dotsey*	444-4668
		9050	dpscg2	Tony Travia*	444-4669
		NP1	dpscg3	Darlene LaMastra*	444-4667
DFSC	Cameron Station VA	9050	dfscg1	Ruth Tyrrell	284-7780
		NP1	dfscg2	Becky Boutz	284-7780
DEPOTS:					
DDOU	Ogden UT	9050	ddoug1	Richard Bell	790-7101
		NP1	ddoug2	Allen Adams	790-7503
DDMP	Mechan. PA	9050	ddmpg1	Shawn Holtzapple	430-6155
				Eric Pelffer	430-7489
DDMT	Memphis TN	9050	ddmtg1,2,3	Howard Nash*	683-4111
DDTC	Tracy CA	9050	ddtcg1	Peggy Kelly	462-9187
			ddtcg1	Terri Reichmuth	462-9200
DCASRS:					
DCASR	Atlanta GA	9050	dcrag1	Gail Fredricks	697-6849
				Dennis Cumberland	697-6496
DCASR	Boston MA	9050	dcrbg1,2	JoAnn Rondelli*	955-4473
DCASR	Chicago IL	9050	dcrig1	Sylvia Centracchio	930-6526
				Betty Blaszinski	930-6528

SITE	LOCATION	COMPUTER TYPE	HOST NAME	SYSTEM ADMIN	AUTOVON
DCASR	Clev. OH	9050	dcrog1	Ted Lentz	580-6550
DCASR	Dallas TX	9050	dcrtg1,2	Carolyn Gramm* Rick Holland*	940-1624 940-1667
DCASR (Van Nuys)	LA. CA	9050	dcrlg1	Ben Richardson	972-4136
DCASR (Santa Anna)	LA. CA	9050	dcrlg2	Diana Griffins	873-2721
DCASR (Region)	LA. CA	9050	dcrlg3,4	Ben Richardson	972-4136
DCASR (San Francisco)	LA. CA	9050	dcrlg5	Jim Feinstein (415)	876-0909
DCASR	NY. NY	9050	dcrng1	Calvin Bass	994-3396
DCASR	Phil. PA	9050	dcrpg1	Bob Hull Joe Rabuck	444-4570 444-4122
DCASR	St. Louis MO.	9050 9050	dcrsg1 dcrsg2	Jim Vines Bud Davis	555-5253 555-5256

DSAC SATELLITE OFFICES:

DSAC-N	Battle Creek MI	NP1	dsacng1	Kathy DeGraaf Howard Carson	932-5117 932-5089
DSAC-H	Ogden UT	9050	dsachg1	Ramona Lower	790-7838

DEFENSE REUTILIZATION & MARKETING REGIONS:

DRMR	Germany	9050	drmreg1	Pam Jacques	314-339-3069
DRMRP	Hawaii	9050	drmrpg1	Thomas Lunsford Juli Kalawe	808-474-6879 808-474-6878

NOTE: To call Germany, call the DGSC operator at AV 695-1110 to place call.

NOTE: To call Hawaii autovan, dial 315 before the 7 digit number.

SITE	LOCATION	COMPUTER TYPE	HOST NAME	SYSTEM ADMIN	AUTOVON
HQ DLA:					
DLA	Cameron Station VA	9050	dlag1	Dorian Deane	284-7101
				John Neese	284-7101
				Wayne Southard	284-7101
		NP1	dlag2	Dorian Deane	284-7101
				Joan Johnson	284-7101
DAASO OFFICES:					
DAASO	Dayton OH	9050	dmarsd1,2,3	Mark Metzner*	986-8242
DAASO	Tracy CA	9050	marst1,2	Larry Bacca*	462-9391
SERVICE CENTERS:					
DSAC	Columbus OH	9050	dsacg1,2,3	Chuck Cameron	850-9055
		NP1	dsacg4	Ray Ford	850-5803
DLSC	Battle Creek MI	9050	dlscg1 (DRMS)	Steve Plotas*	932-4144
		9050	dlscg2,3	Steve Plotas*	932-4144
DTIC	Cameron Station VA	9050	dticg1	Sylvia Sewell	284-6855
				Niki Markheim	284-6855

* System administrator for each DMINS system installed at that site

NOTE: To send mail to another location use the "HOST NAME" for that location.

DLA Capacity Management Roster

DLA CAPACITY MANAGEMENT ROSTER

DLA CAPACITY MANAGEMENT STEERING GROUP MEMBERS

Chairman:	Mr. John Roby, DLA-ZO	AV 284-8113
Alternate:	Mr. Jerry Rowzie, DLA-ZO	AV 284-5385
Exec. Secretary:	Mr. Ved Aggarwal, DLA-ZOT	AV 284-5385 *
DLA-ZO Member:	Mr. Charles Lamey	AV 284-5385
DLA-ZI Member:	Mr. Robert Knez	AV 284-7506
DLA-ZR Member:	Mr. Larry Stocks	AV 284-6371
DSMO Member:	Ms. Elsie Benson	AV 284-5392
DACO Member:	Mr. James Johnson	AV 284-5351
DSAC Member:	Mr. Tom Donovan	AV 850-9289

* HQ DLA Points-of-Contact

Capacity Management Committee Chairpersons/Technical Representatives
(Names of PLFA Committee Representatives Will Be Added As Received)

SUPPLY CENTERS

Mr. R. N. Norris	DCSC-Z	Chairman	AV 850-2141
Mr. Jerry Pulley	DCSC-ZW	Tech Rep	AV 850-3183
Mr. Don Greene	DESC-ZW	Tech Rep	AV 986-6455
Mr. William Finefield	DGSC-Z	Director	AV 695-4721
Mr. Dudley Bolbat	DISC-ZP	Chairman	AV 442-3623
Mr. Joseph Amabile	DISC-ZWC	Tech Rep	AV 442-3288
Mr. Bill Bevin	DPSC-ZW	Chairman	AV 444-4670
Ms. Rose Marie Badame	DPSC-ZWC	Tech Rep	AV 444-4310

DCASRS

Mr. Donald Drake	ATL-Z	Chairman	AV 697-6300
Mr. Dennis Cumberland	ATL-ZW	Tech Rep	AV 697-6496
Mr. P. O'Keeffe	BOS-Z	Chairman	AV 955-4467
Mr. Robert Foley	BOS-ZW	Tech Rep	AV 955-3057
Mr. Beryl Jacobsen	CHI-Z	Chairman	AV 930-6520
Mr. Robert Brown	CHI-ZW	Tech Rep	AV 930-6524
MAJ Eric Helgesen, USA	CLE-Z	Director	AV 580-5470
Mr. Tom Conlon	DAL-Z	Chairman	AV 940-1368
Mr. Fred McKenzie	DAL-ZW	Tech Rep	AV 940-1365
CDR. Phil Benefiel,SC,USN	LA-Z	Chairman	AV 972-4100
Mr. Donald Reed	LA-ZW	Tech Rep	AV 972-4132
Major Curtis Young, USAF	NY-Z	Director	AV 944-3522
Mr. Paul Sheehan	PHI-Z	Chairman	AV 444-3346
Mr. John Brinton	STL-Z	Chairman	AV 555-5242

DEPOTS

Mr. Floyd Harris	DDMT-Z	Chairman	AV 683-6386
Ms. Gail Major	DDMT-ZW	Tech Rep	AV 683-6406
LTC W. R. Lanouette, USA	DDMP-Z	Chairman	AV 430-2491
Mr. Jeff McCollum	DDMP-ZW	Tech Rep	AV 430-7768
Mr. Quinn Andelin	DDOU-ZW	Chairman	AV 790-7225
Ms. Judy Takara	DDOU-ZW	Tech Rep	AV 790-7969
Mr. Paul Moore	DDTC-Z	Chairman	AV 462-9167
Ms. Mable Alleman	DDTC-ZW	Tech Rep	AV 462-9186

SERVICE CENTERS

Ms. Pat Russell	DASC-ZS	Chairman	AV 284-7101
Mr. Wayne Southard	DASC-ZW	Tech Rep	AV 284-7101
Mr. G. Vander Lugt	DLSC-ZBB	Tech Rep	AV 369-6820
Mr. John Bechtol	DRMS-LD	DRMS POC	AV 932-7259
Mr. David Williford	DTIC-Z	Chairman	AV 284-6935
Mr. Lawrence Jenkins	DTIC-ZW	Tech Rep	AV 284-6858